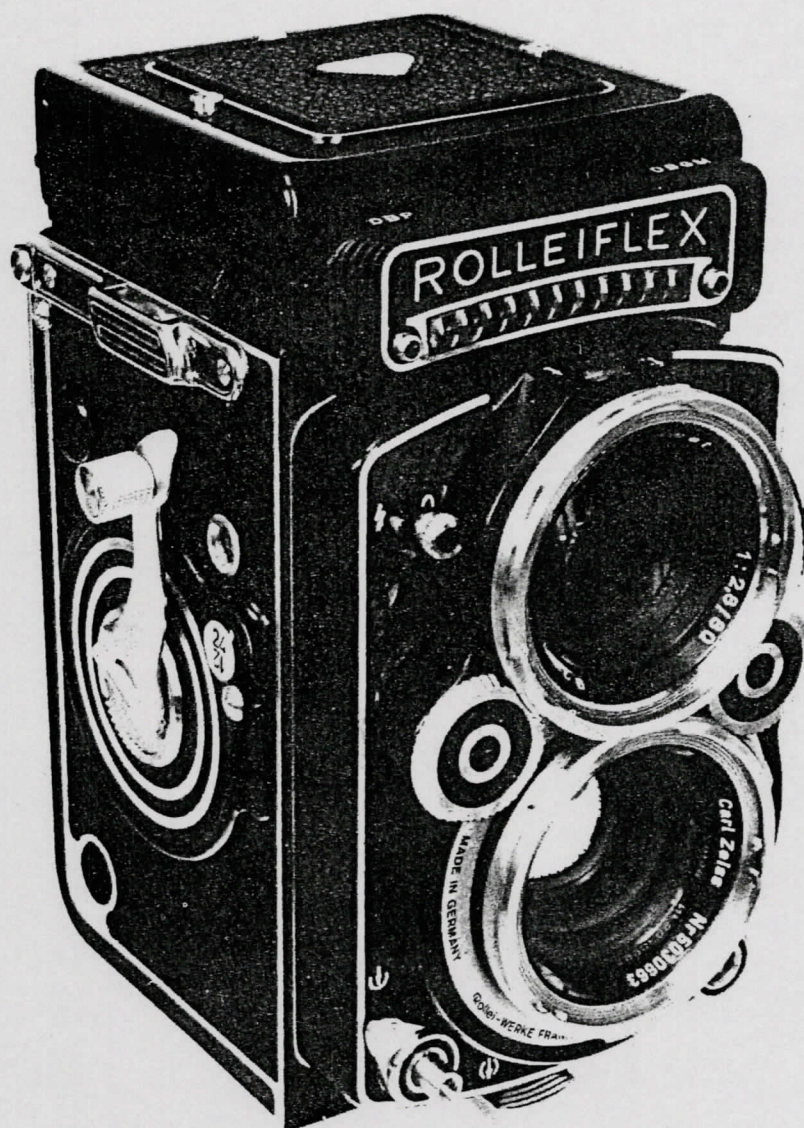
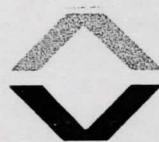


Rolleiflex

2.8F



NATIONAL CAMERA
TECHNICAL TRAINING DIVISION
2000 W. Union Avenue • Englewood, Colorado 80110



ROLLEIFLEX 2.8F

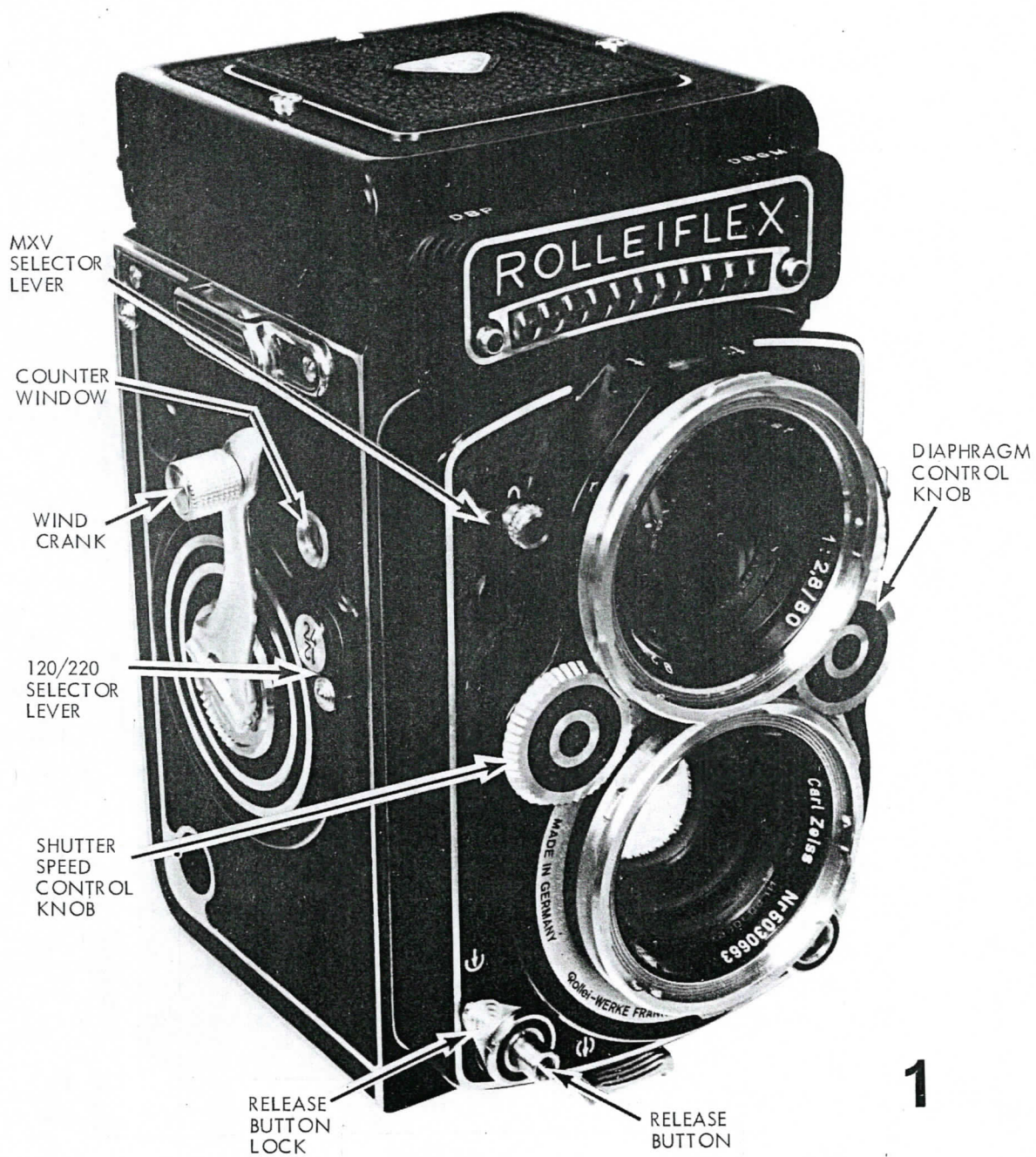
(Model with differential gear coupling between depth of field scale, exposure meter pointer and diaphragm and shutter speed control)

REASSEMBLY OF FRONT COVER PLATE ASSEMBLY

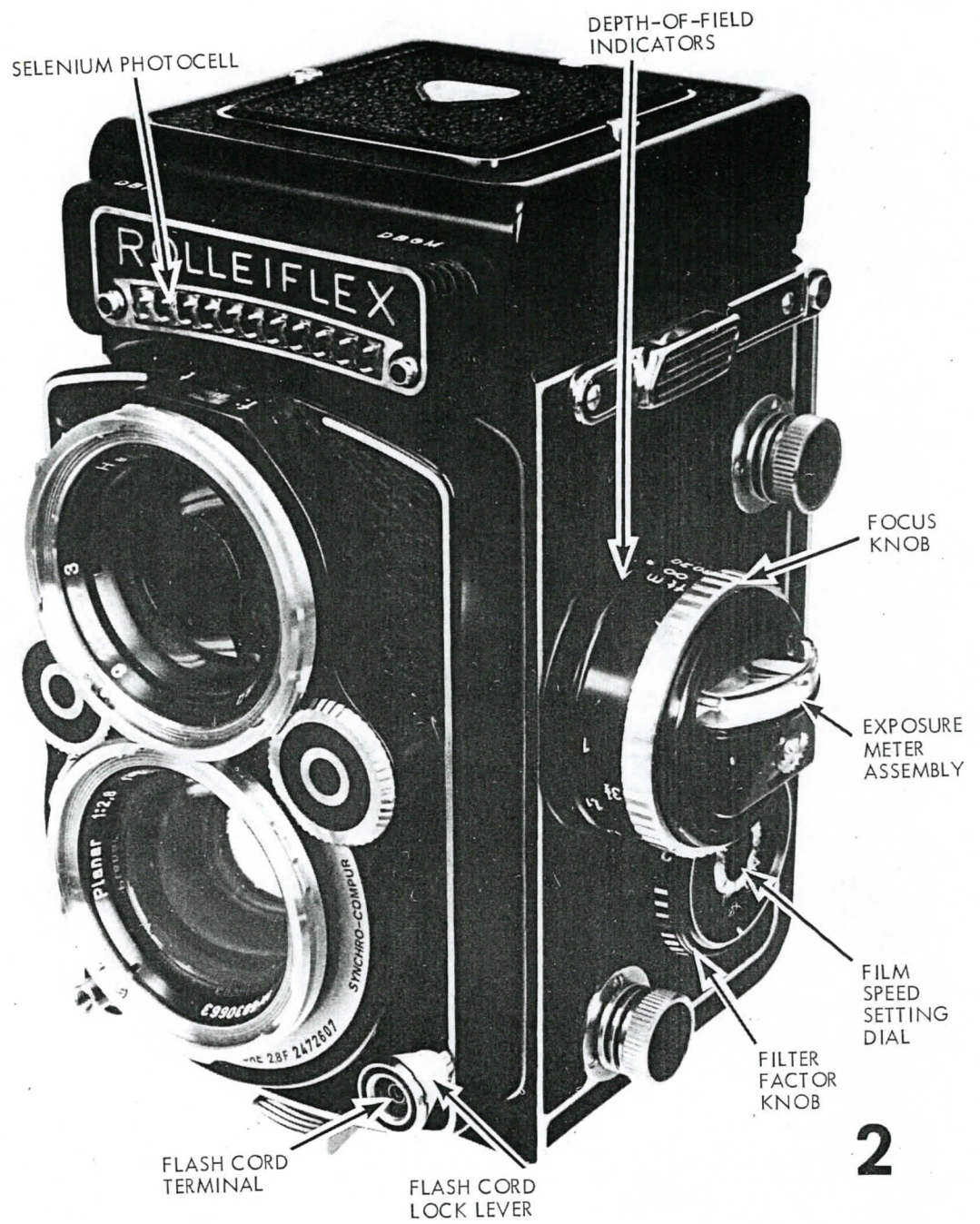
Set external shutter speed and diaphragm controls to 1/500 sec. at f22 on front cover plate assembly. Set internal diaphragm control ring to f22 and speed cam to 1/5000 sec. Make sure both the depth of field scale and exposure meter pointer control racks at the side of the front standard are in their down position. Turn over the front cover plate assembly and observe the position of the slots in the control gears that mesh with the differential gear. Set the lugs on the differential gear to correspond with the slot position of the front cover plate assembly control gears and then place the differential gear into its bearing on the front standard. If the lugs on the differential gear are no longer in the proper position after meshing with the depth of field and exposure meter pointer control racks, tilt the differential gear slightly until it disengages from the racks. Then reposition the lugs so they will correspond with the slots in the front cover plate assembly control gears. The differential gear can then be tilted back into engagement with the depth of field scale and exposure meter pointer racks. Be sure that the racks remain in the down position when engagement is made.

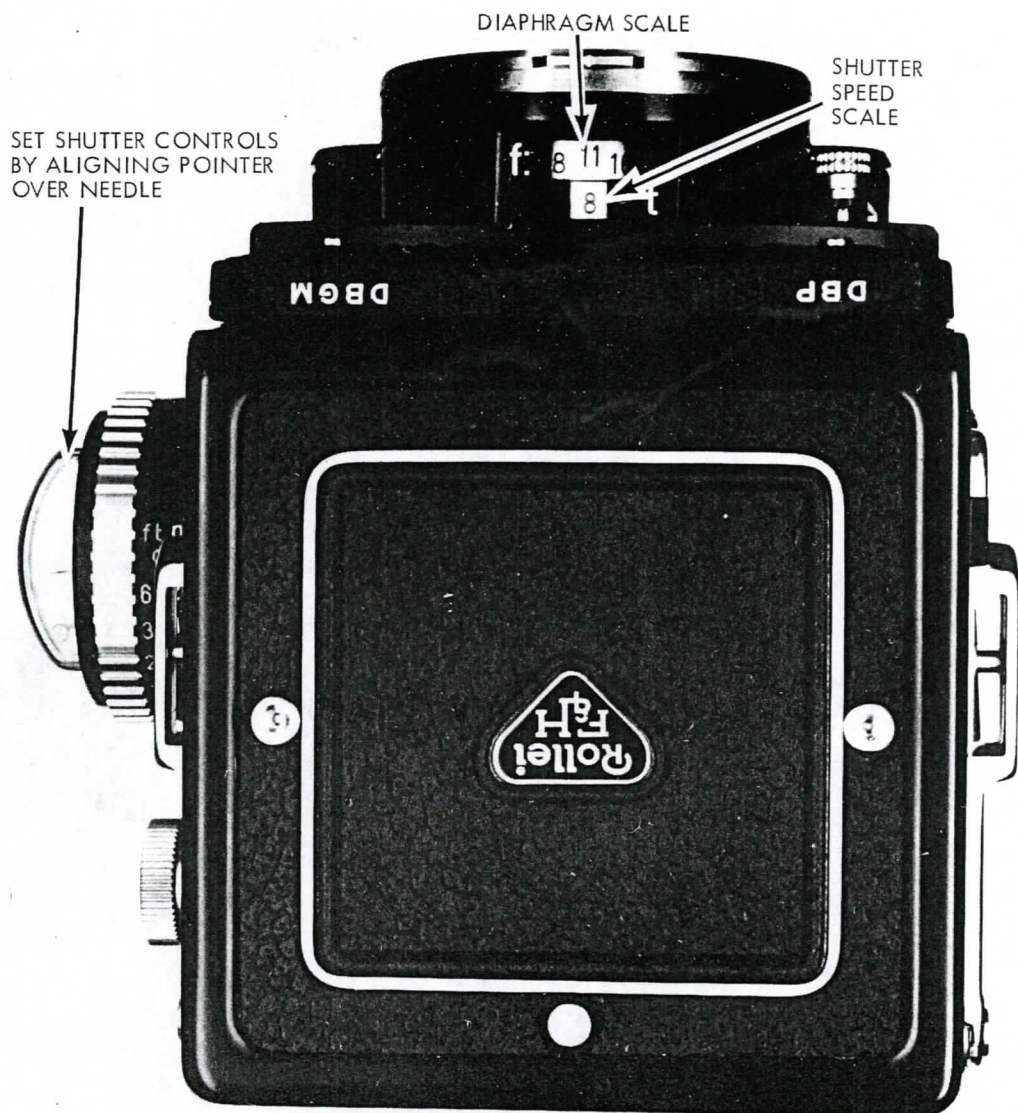
Before attempting to replace the front cover plate assembly, be certain the stud on the MXV setting lever is aligned properly with the shutter setting link at the lower left corner of the viewing lens on the front standard. The front cover plate assembly can now be lowered gently into place. If all of the previously mentioned parts are positioned correctly, the controls will be aligned properly and the front cover plate will seat positively with a minimum amount of "jockeying" necessary. Once the front cover plate is seated, replace the cover plate screws and test all controls for proper operation. If any of the controls fail to function properly, or if the front cover plate does not seat positively, one or more of the controls are not aligned correctly and the front cover plate must be removed and all parts rechecked for positioning and alignment.

After the front cover plate has been replaced and all controls checked okay, the exposure meter pointer control can be checked for proper calibration. Set the ASA index at 25 and the filter factor dial to "0", shutter speed at 1/2 second and diaphragm at f8. The exposure meter pointer should now be over the red dot to the left of center on the exposure meter dial. If the pointer does not line up with the red dot but is within approximately 1/16", the pointer control can be adjusted as follows (when the pointer is too far from the dot, one or both of the racks was not in its down position when the front cover plate was assembled): Remove the leather from the center of the ASA dial. Loosen (do not remove) the two screws under the leather. Loosening the screws will separate the knurled ASA setting knob from the ASA dial. Rotate the knurled ASA setting knob (make sure the ASA dial does not turn with the knob - if so, the screws are not loosened sufficiently) until the pointer lines up with the red dot. Tighten the screws and replace the leather.

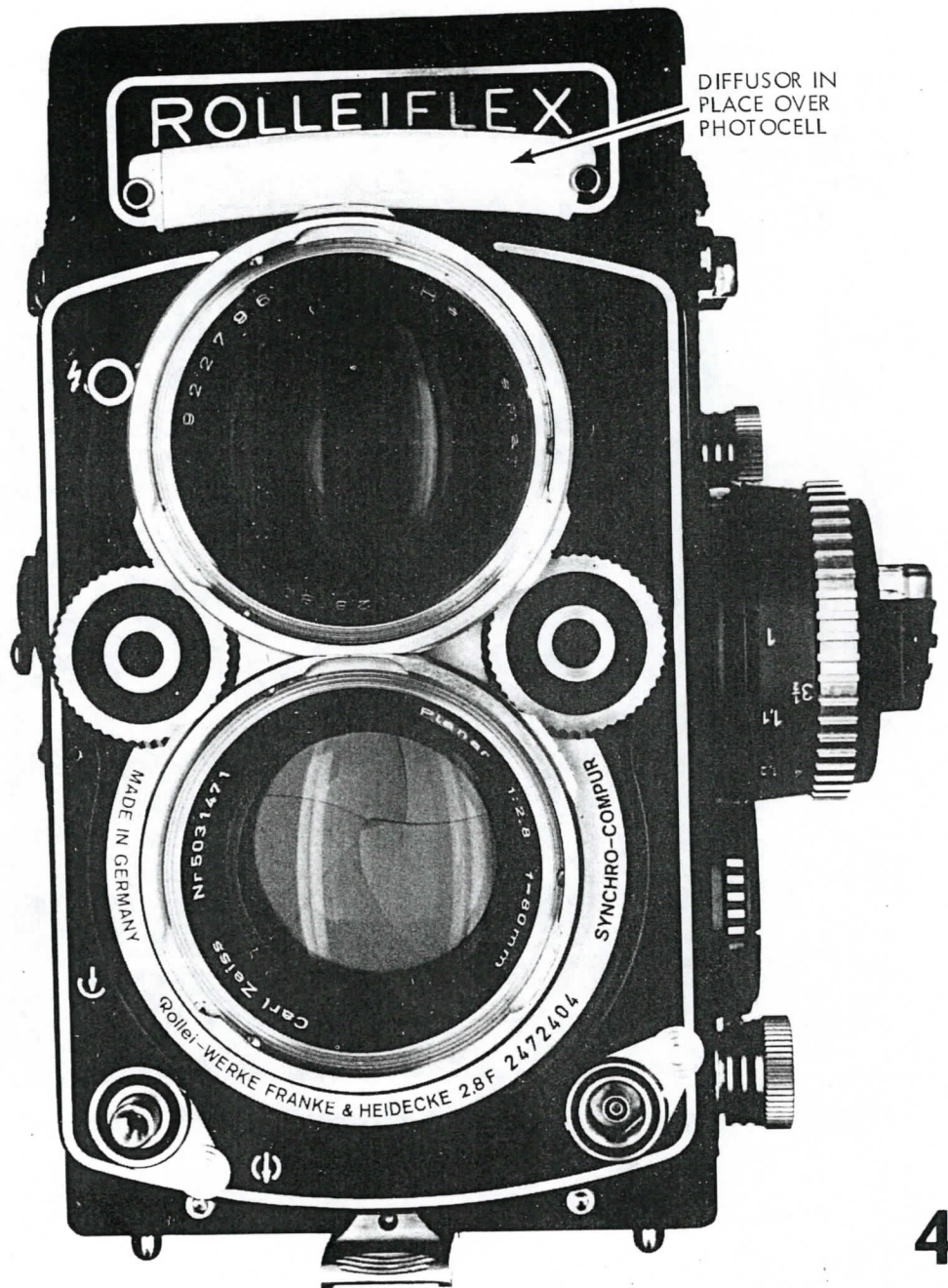


1

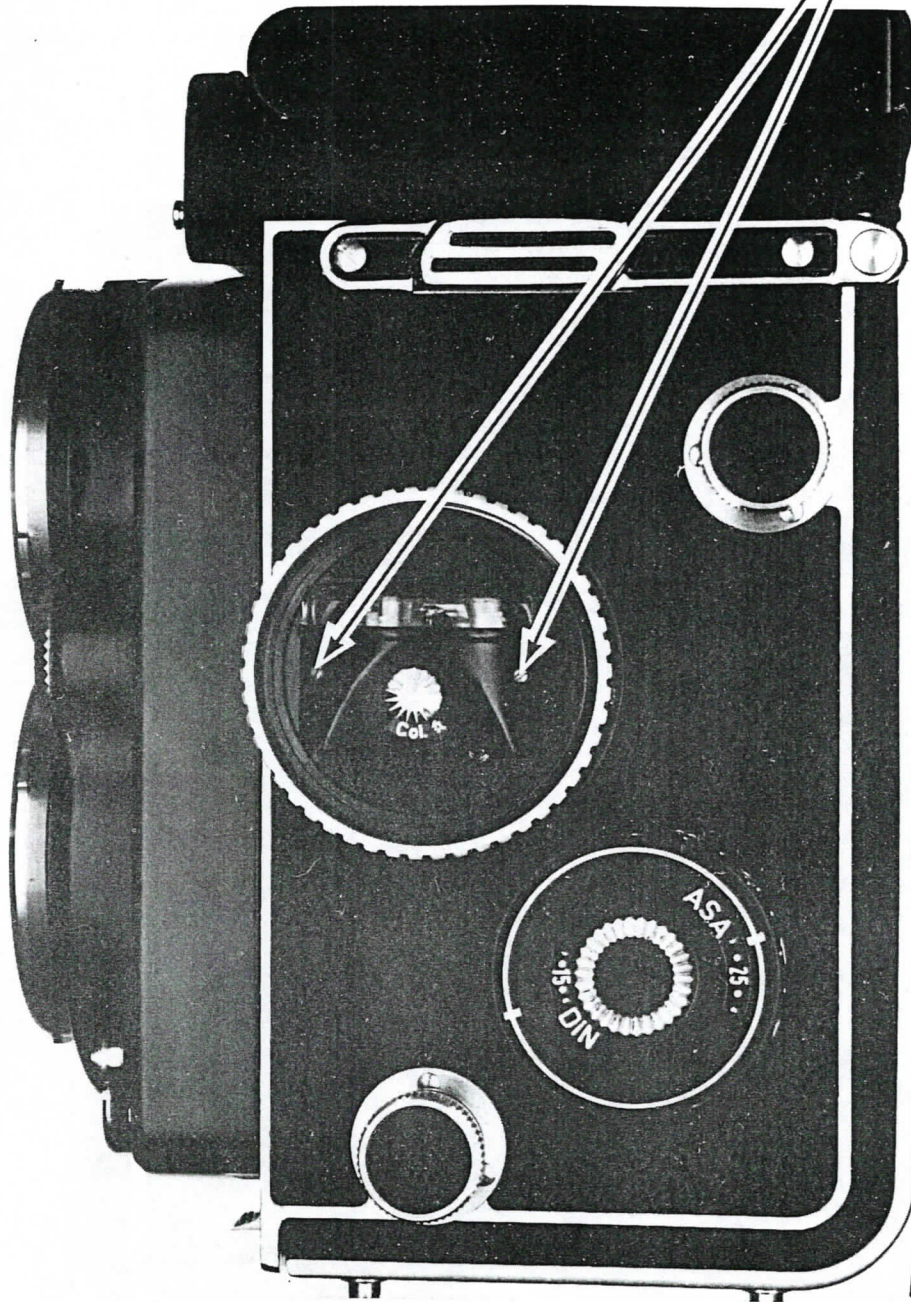




CHECK GAP BETWEEN TWO DEPTH-OF-FIELD INDICATORS AT $f/3.5$ - GAP SHOULD BE 4.6mm



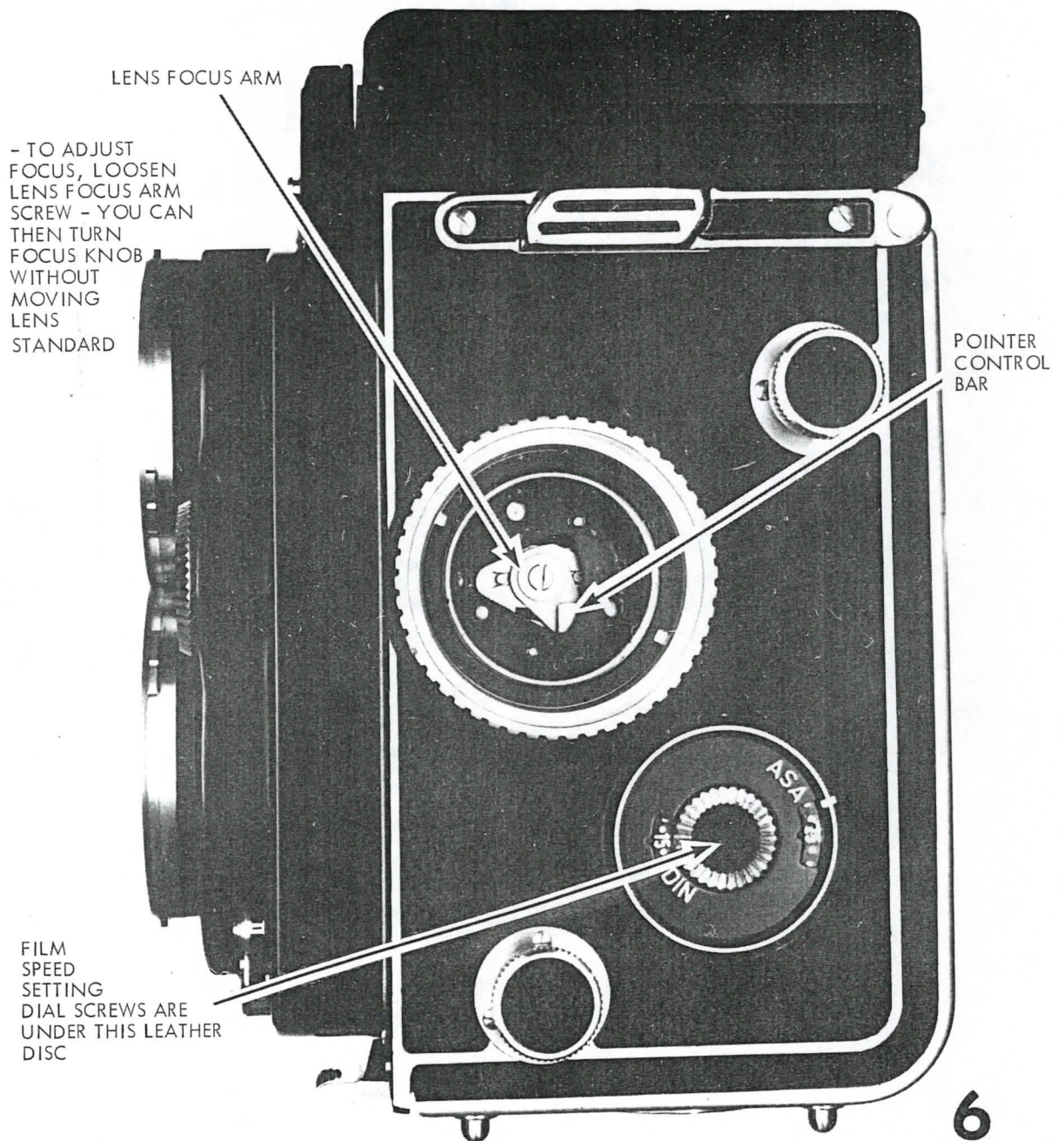
TO REMOVE EXPOSURE METER, UNSCREW THESE TWO SCREWS
AND LIFT OUT METER
(SCREWS REMAIN WITH METER)



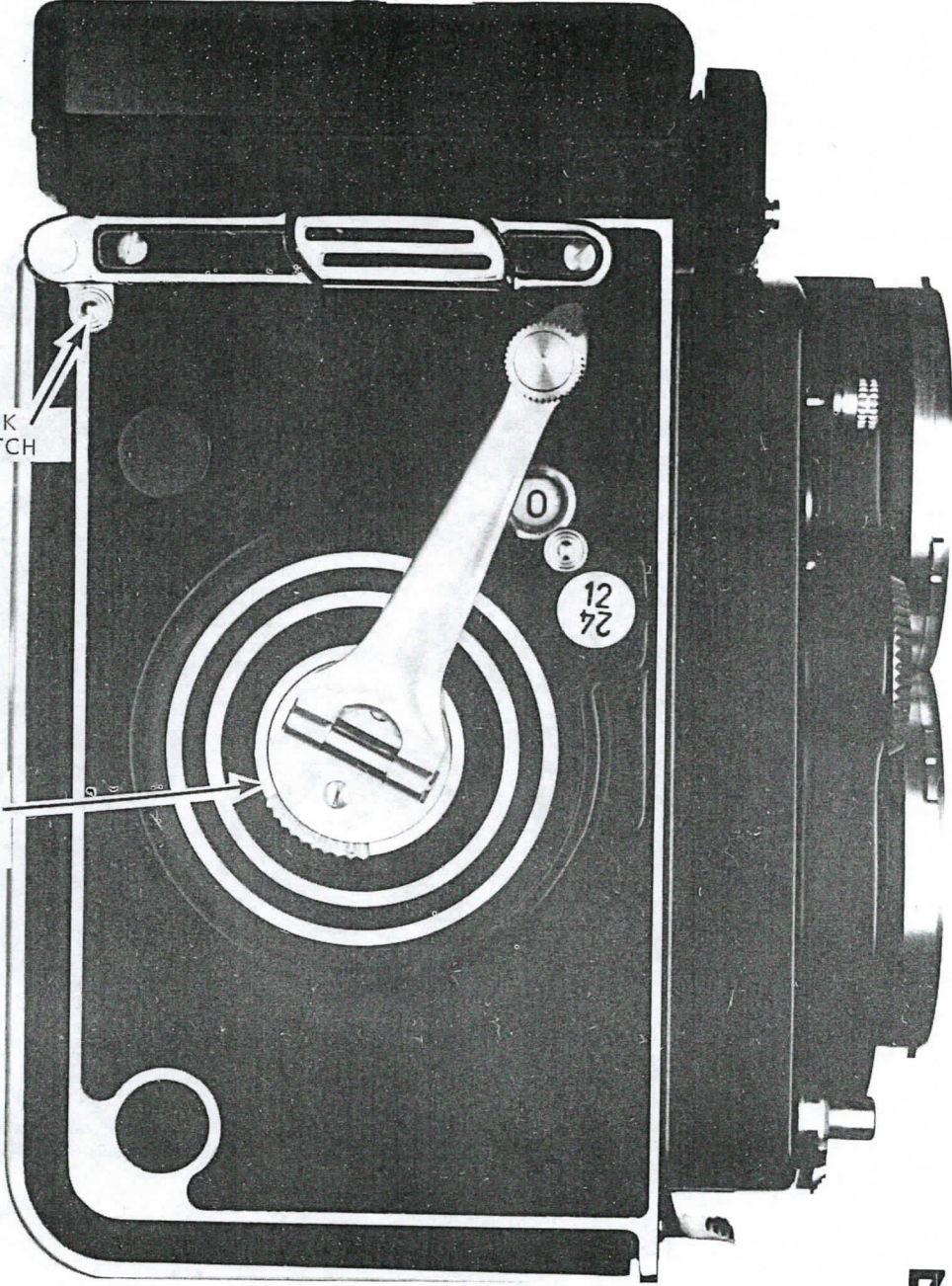
TO REPLACE METER, SET SHUTTER CONTROLS TO
1/500 SECOND AND f/22

5

The "zero" adjustment for the exposure meter is on the back of the meter assembly -- the screwdriver-slotted adjustment held by an E-ring. With the exposure meter removed from the camera, the needle should align with the heavy red calibration on the scale. The pointer control adjustment is described in the "Rolleiflex 2.8F - 3.5F" supplement sheet.



NOTE: THE SELENIUM PHOTOCELL AND THE EXPOSURE METER ASSEMBLY ARE MATCHED AT THE FACTORY. IF EITHER IS DEFECTIVE, BOTH SHOULD BE REPLACED.



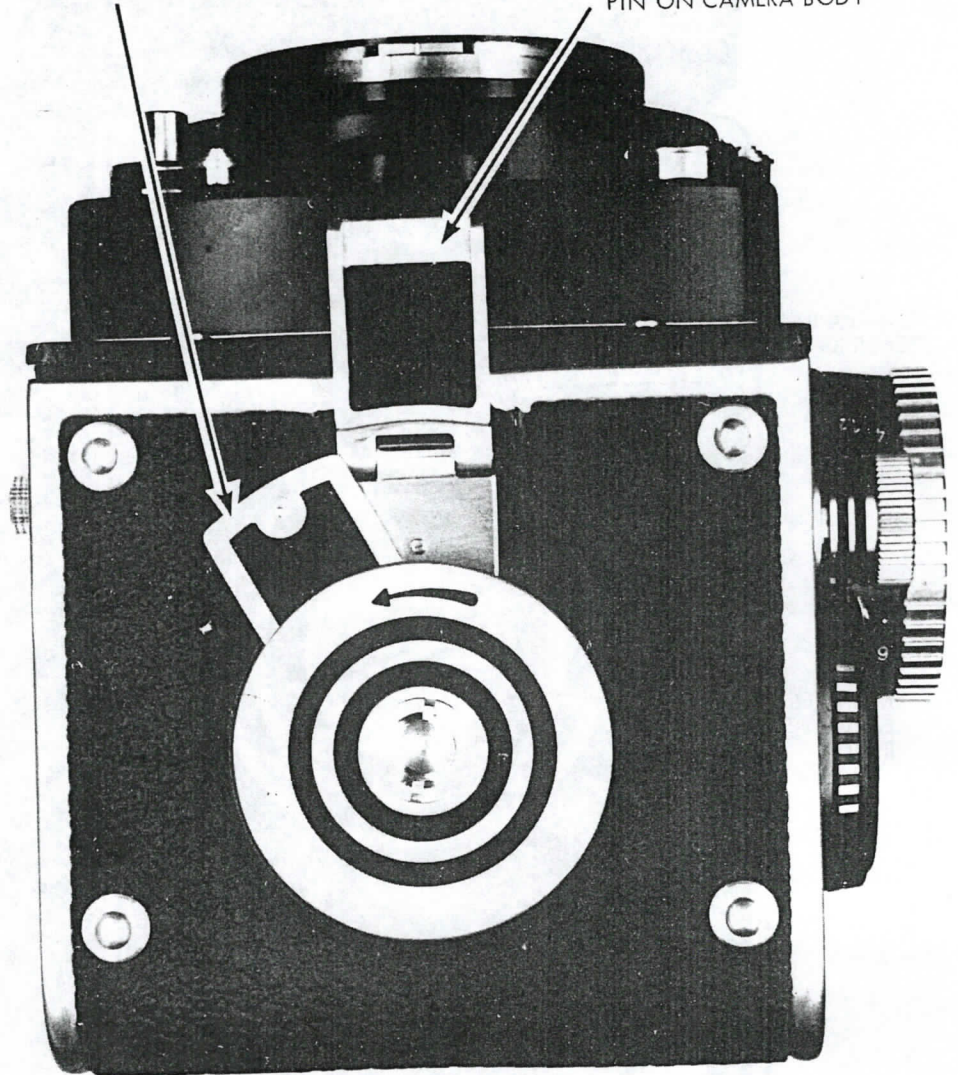
CAMERA BACK
BEARING LATCH

MULTIPLE
EXPOSURE
RING

7

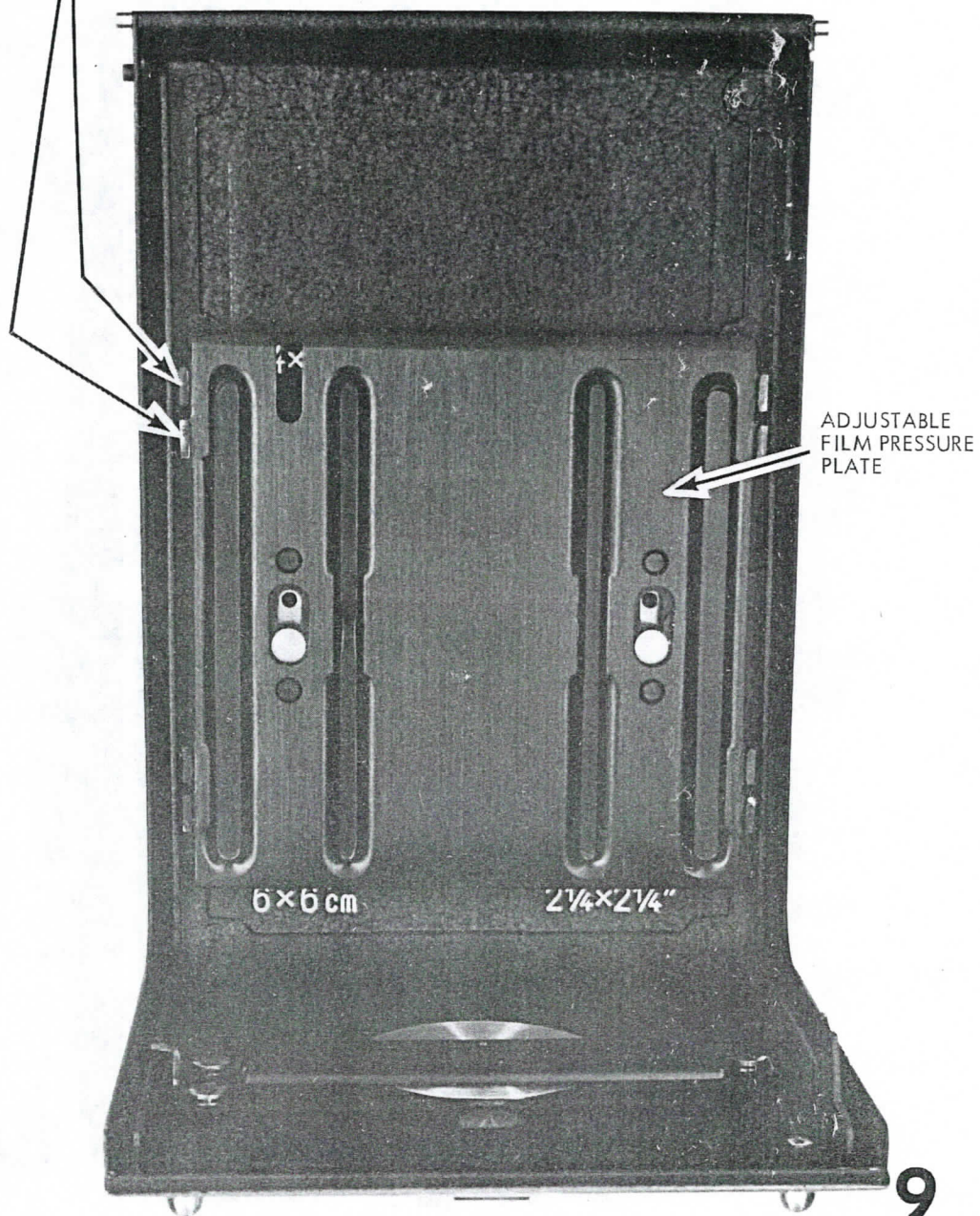
To make an intentional double exposure, first cock and release the shutter in the normal manner. Then, hold the multiple exposure ring in the direction of the engraved arrow. Rotate the wind crank counterclockwise, back to its "ready" position -- the counterclockwise rotation of the wind crank cocks the shutter without advancing the film.

TO OPEN CAMERA BACK,
SWING BACK LATCH IN
DIRECTION OF ARROW
TO FREE BASE LOCK -- THEN, MOVE BASE LOCK DOWN, AWAY FROM
PIN ON CAMERA BODY



TO REMOVE CAMERA BACK, SWING BEARING LATCH (FIGURE 7)
TOWARD REAR OF CAMERA

NOTE DIFFERENCE IN HEIGHT BETWEEN FILM PRESSURE PLATE TABS
TO COMPENSATE FOR THICKNESS OF PAPER BACKING -
APPROPRIATE TABS RIDE ON FOUR MACHINED SURFACES
ON CAMERA
BODY (FIGURE 10)



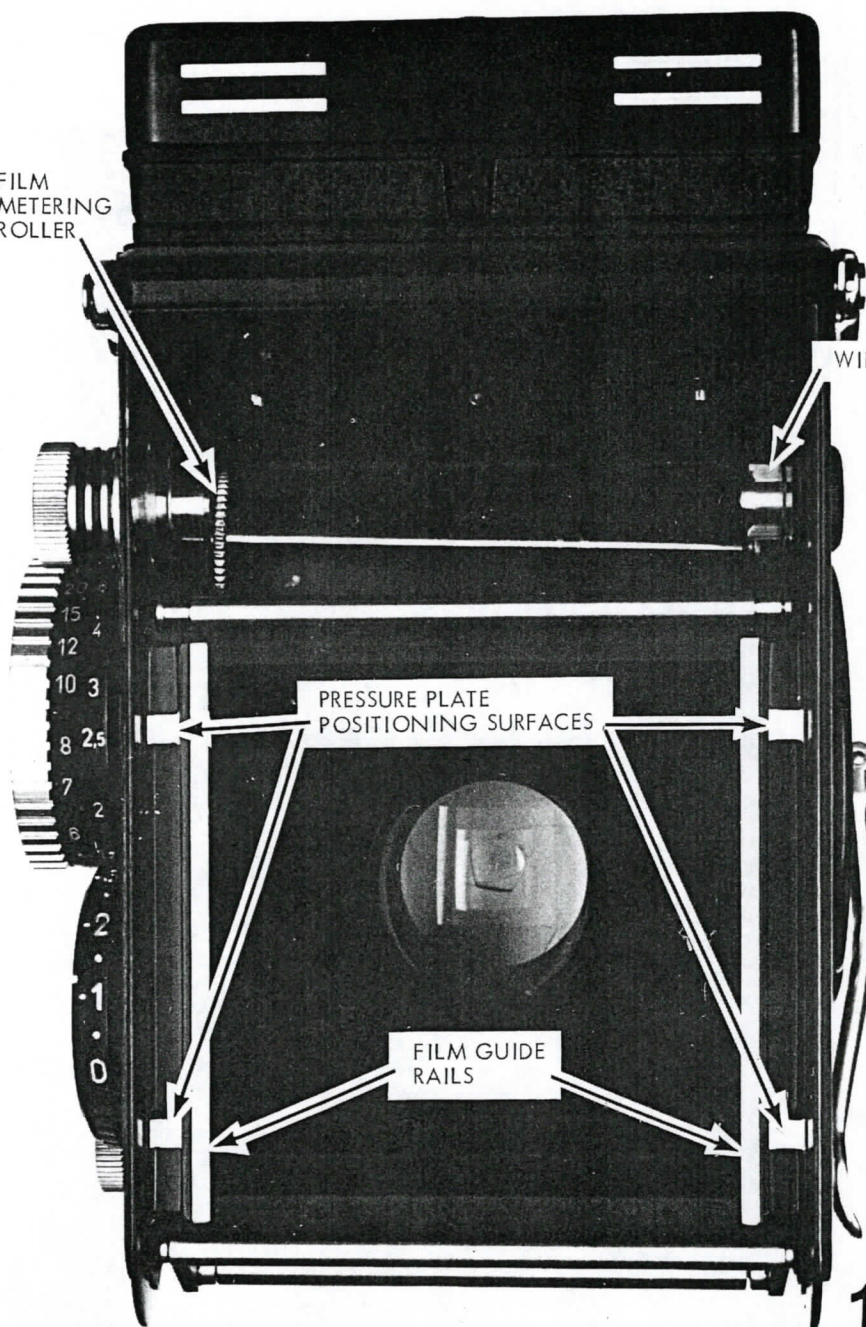
FILM
METERING
ROLLER

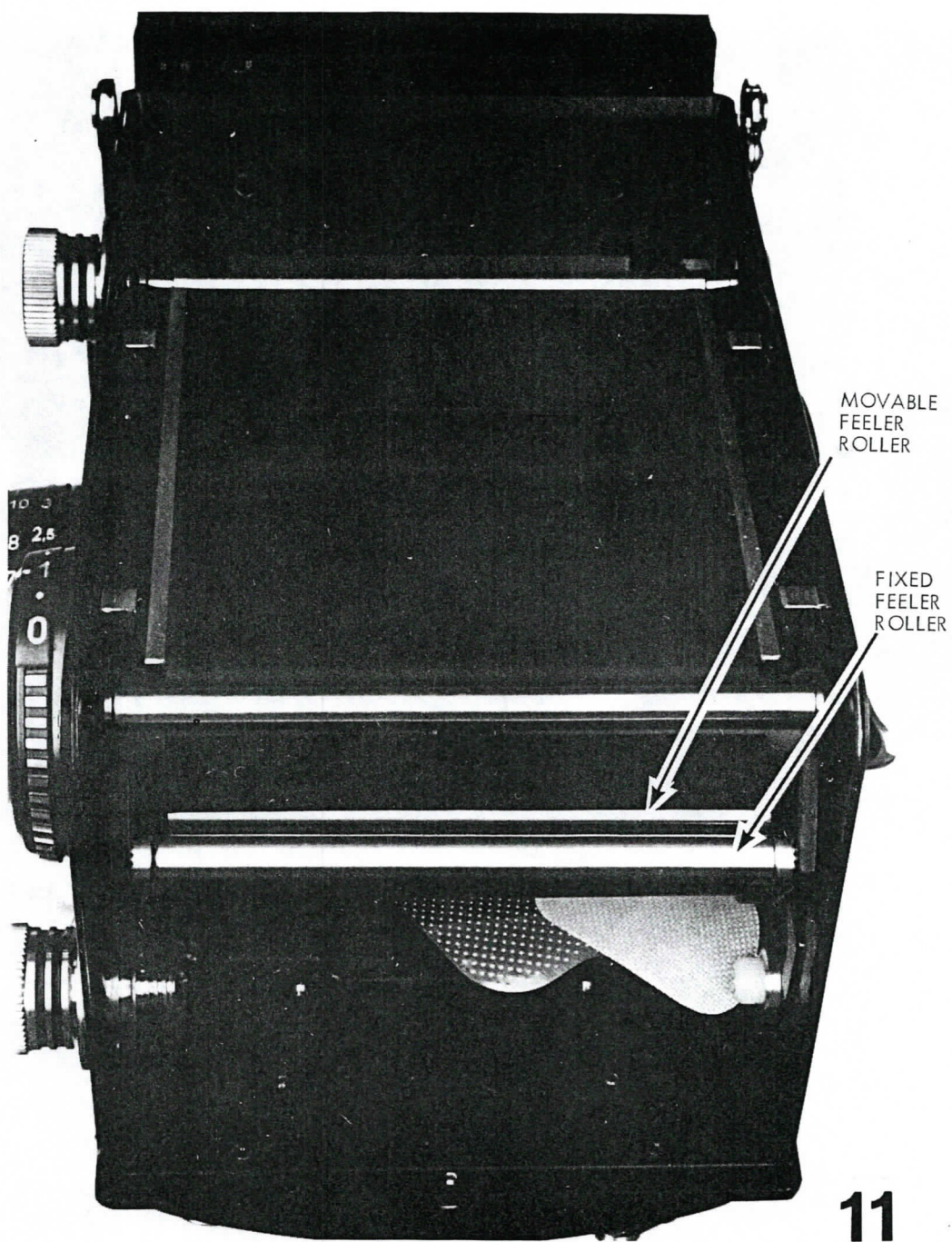
WIND KEY

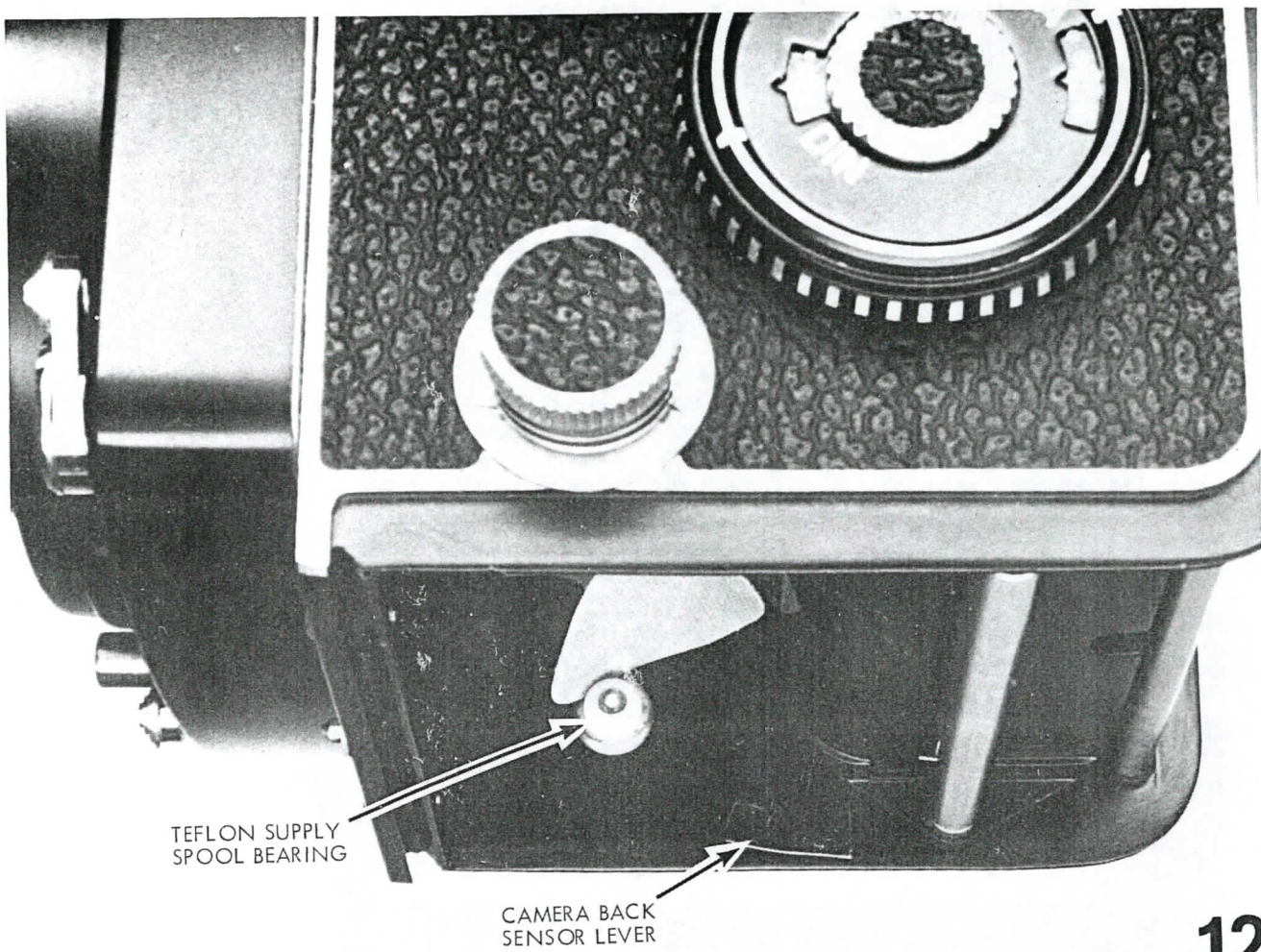
PRESSURE PLATE
POSITIONING SURFACES

FILM GUIDE
RAILS

10

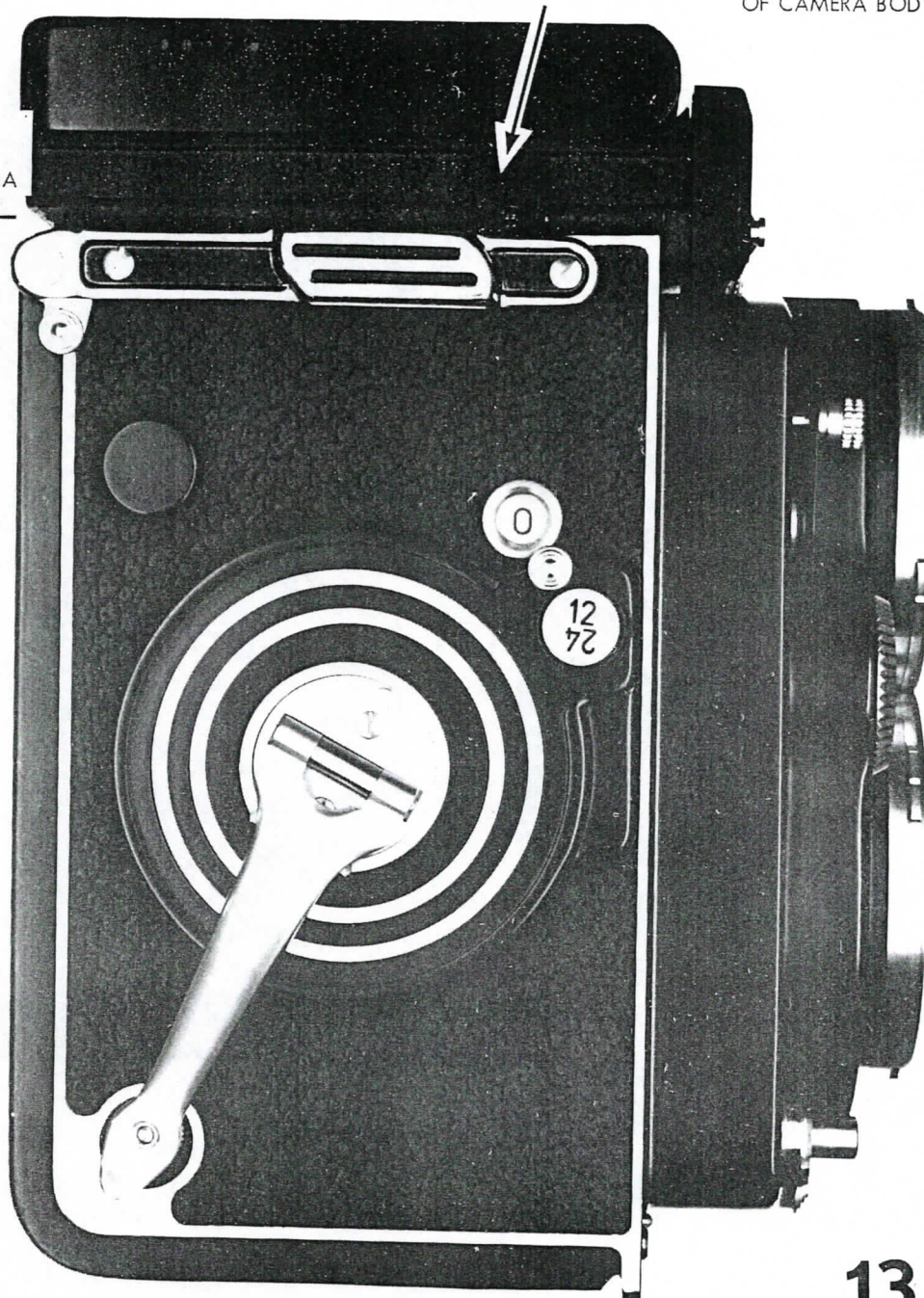




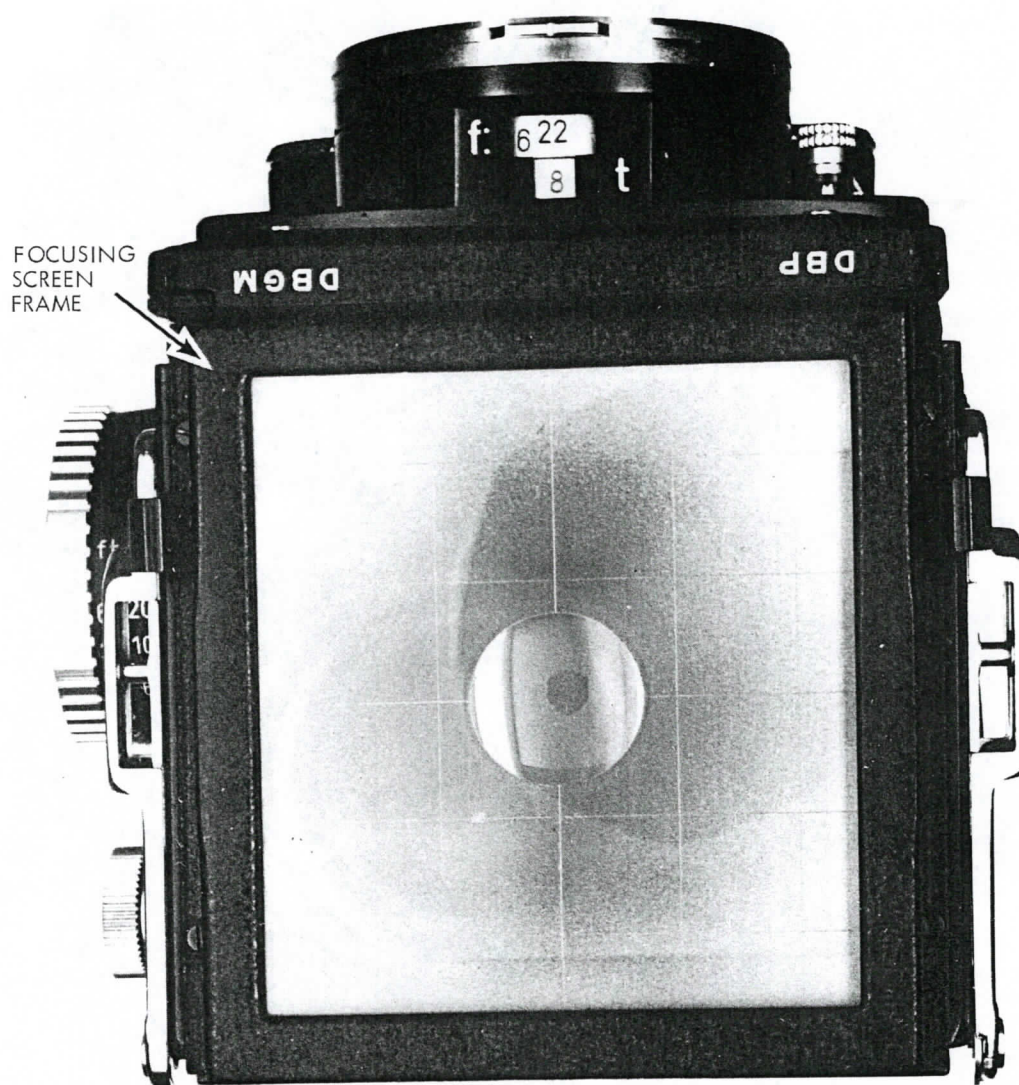


TO REMOVE VIEWING HOOD: PUSH DOWN ON TWO HOOD LATCHES - (ONE ON EITHER SIDE OF CAMERA BODY)

SLIDE VIEWING
HOOD TOWARD
BACK OF CAMERA

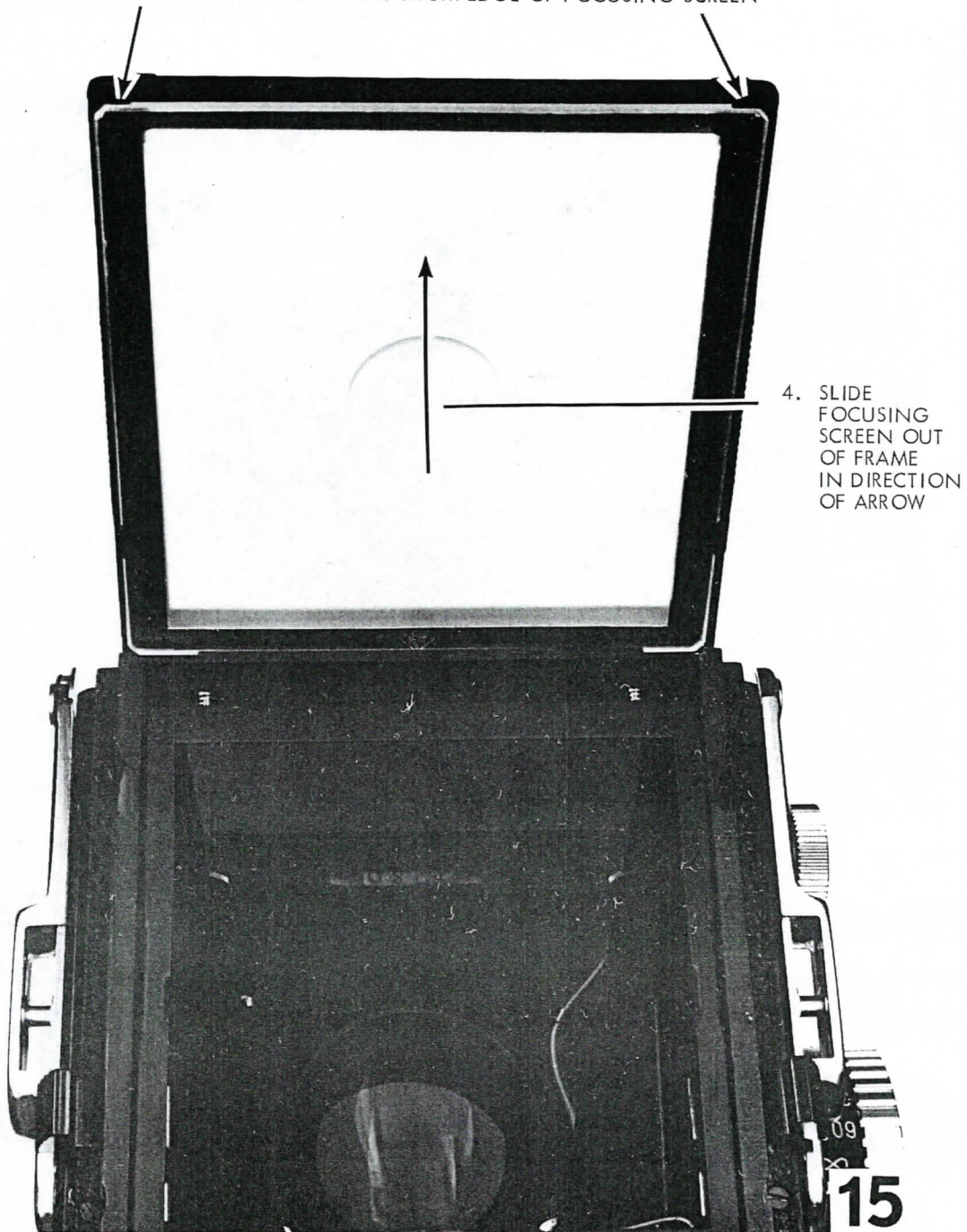


TO REMOVE FOCUSING SCREEN:

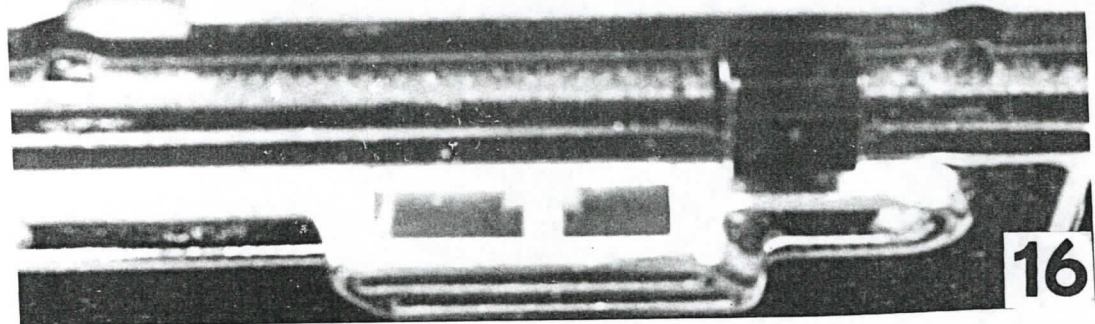
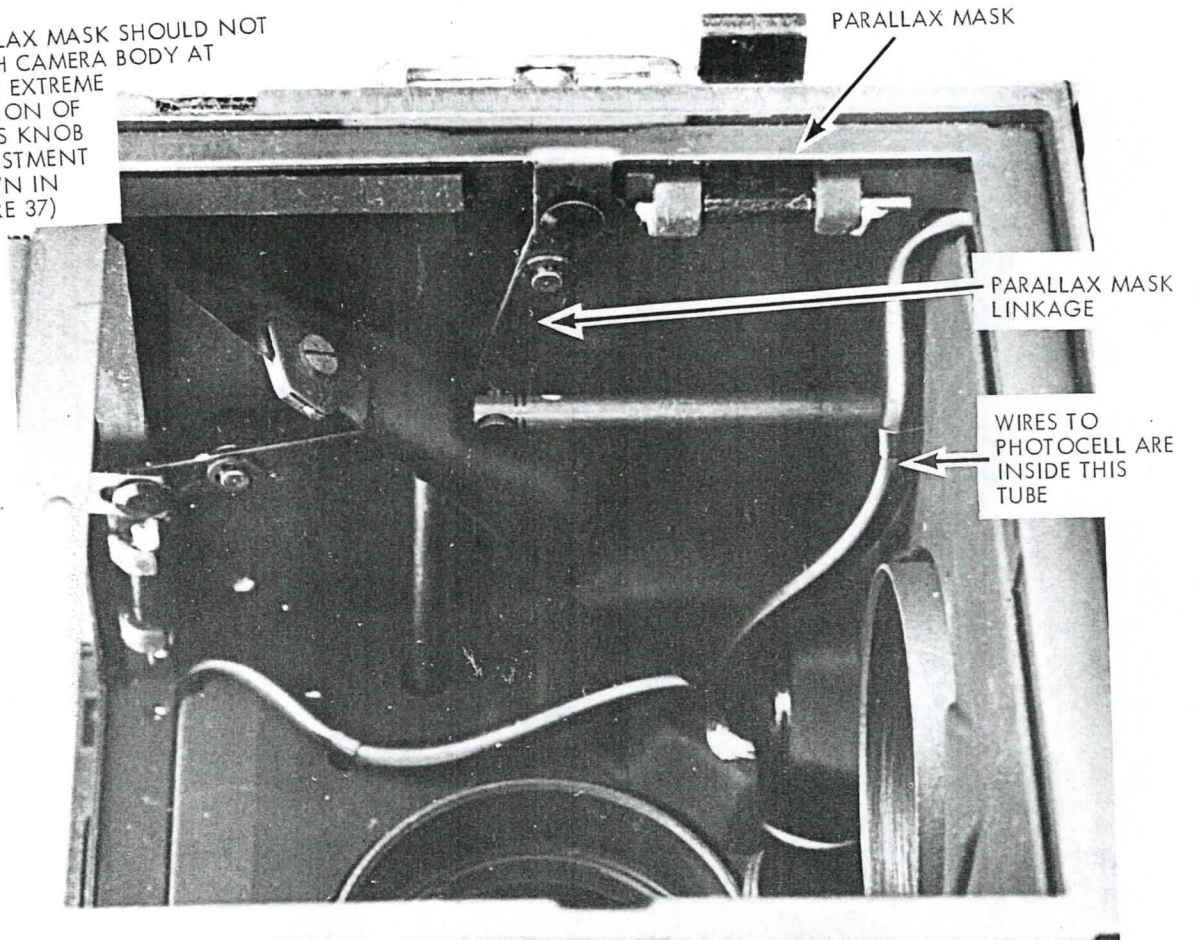


1. PUSH FOCUSING SCREEN FRAME TOWARD BACK OF CAMERA
2. SWING FOCUSING SCREEN FRAME UP AND AWAY FROM CAMERA BODY (SEE NEXT ILLUSTRATION)

3. HOLD SPRING CLIPS AWAY FROM EDGE OF FOCUSING SCREEN

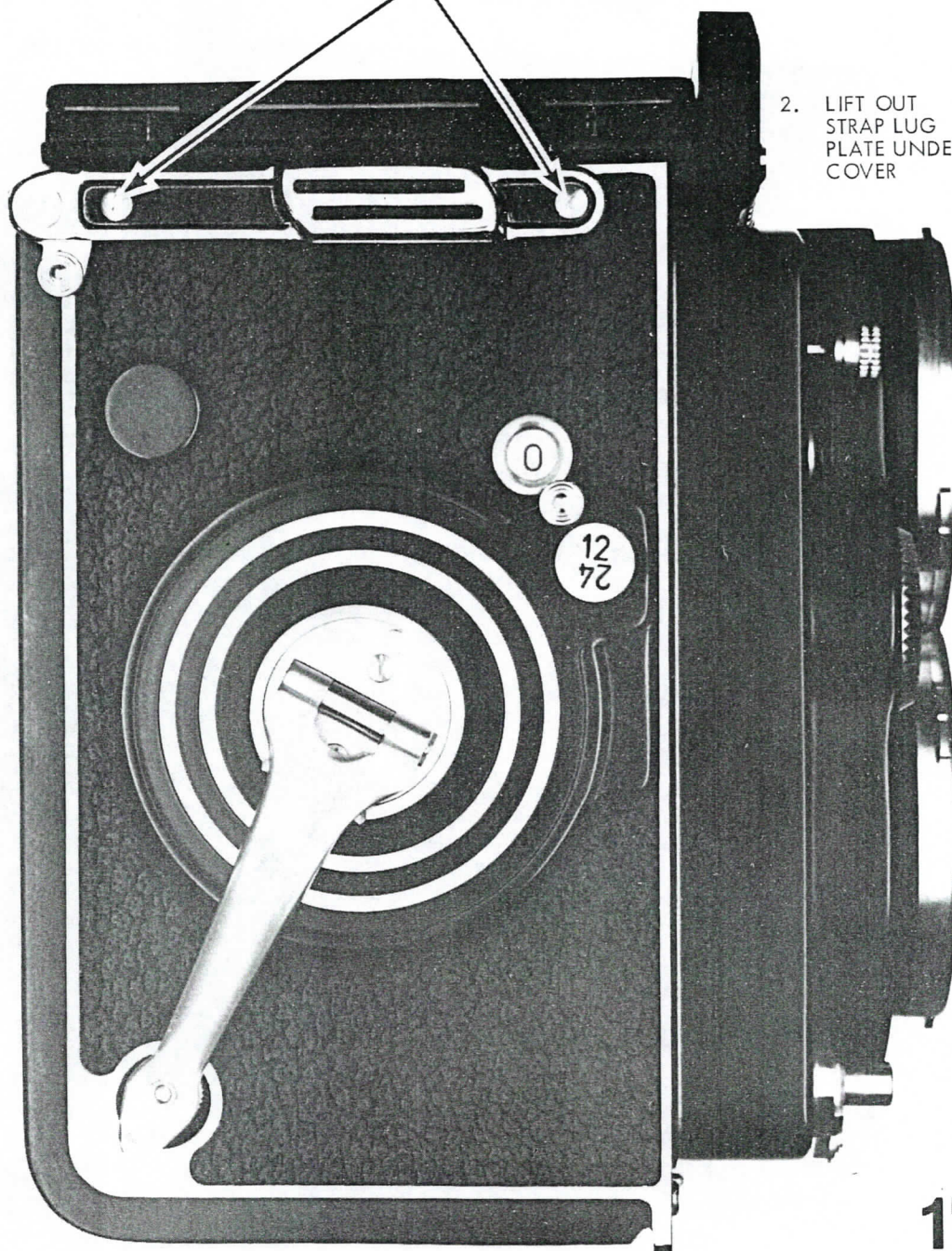


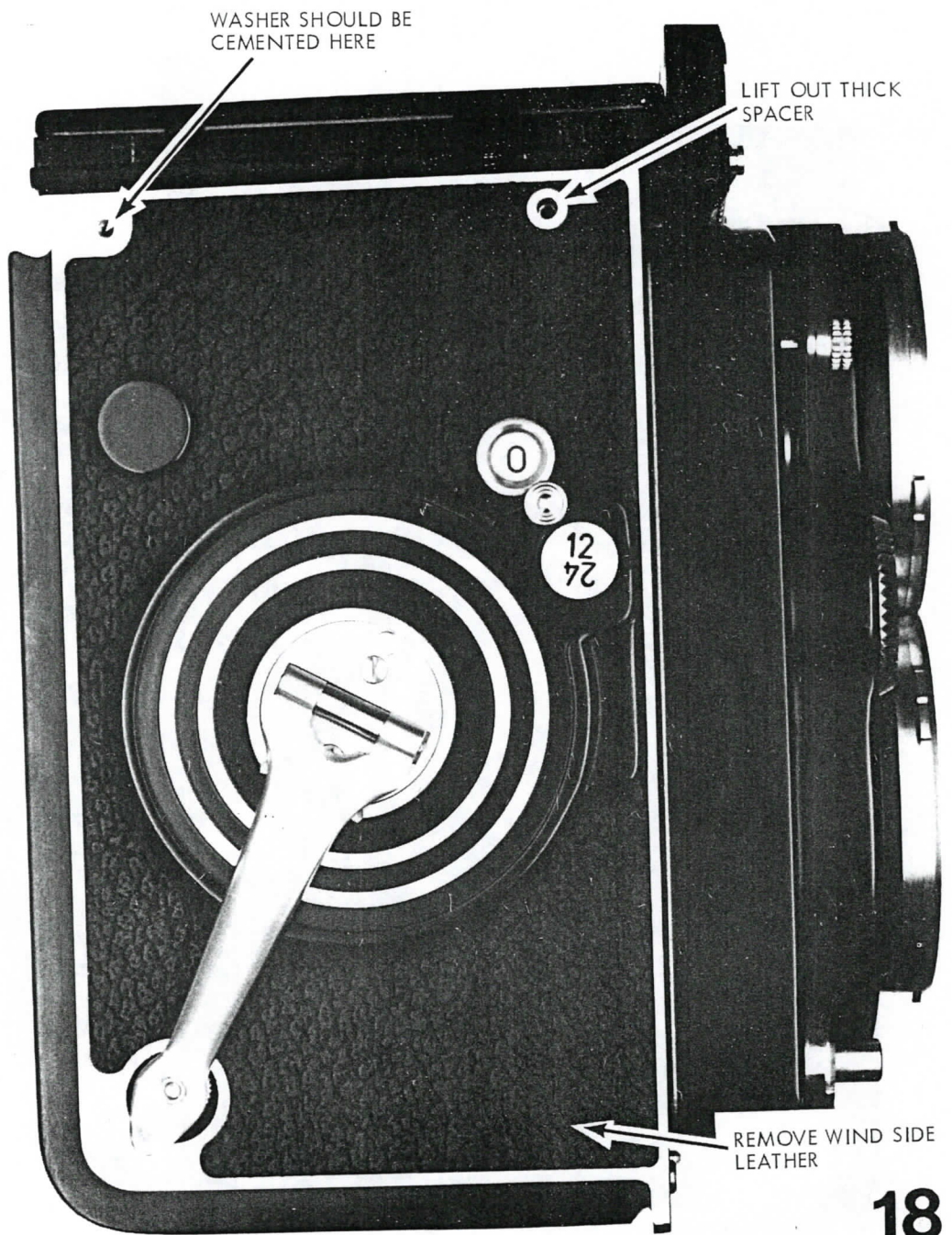
PARALLAX MASK SHOULD NOT TOUCH CAMERA BODY AT EITHER EXTREME POSITION OF FOCUS KNOB (ADJUSTMENT SHOWN IN FIGURE 37)



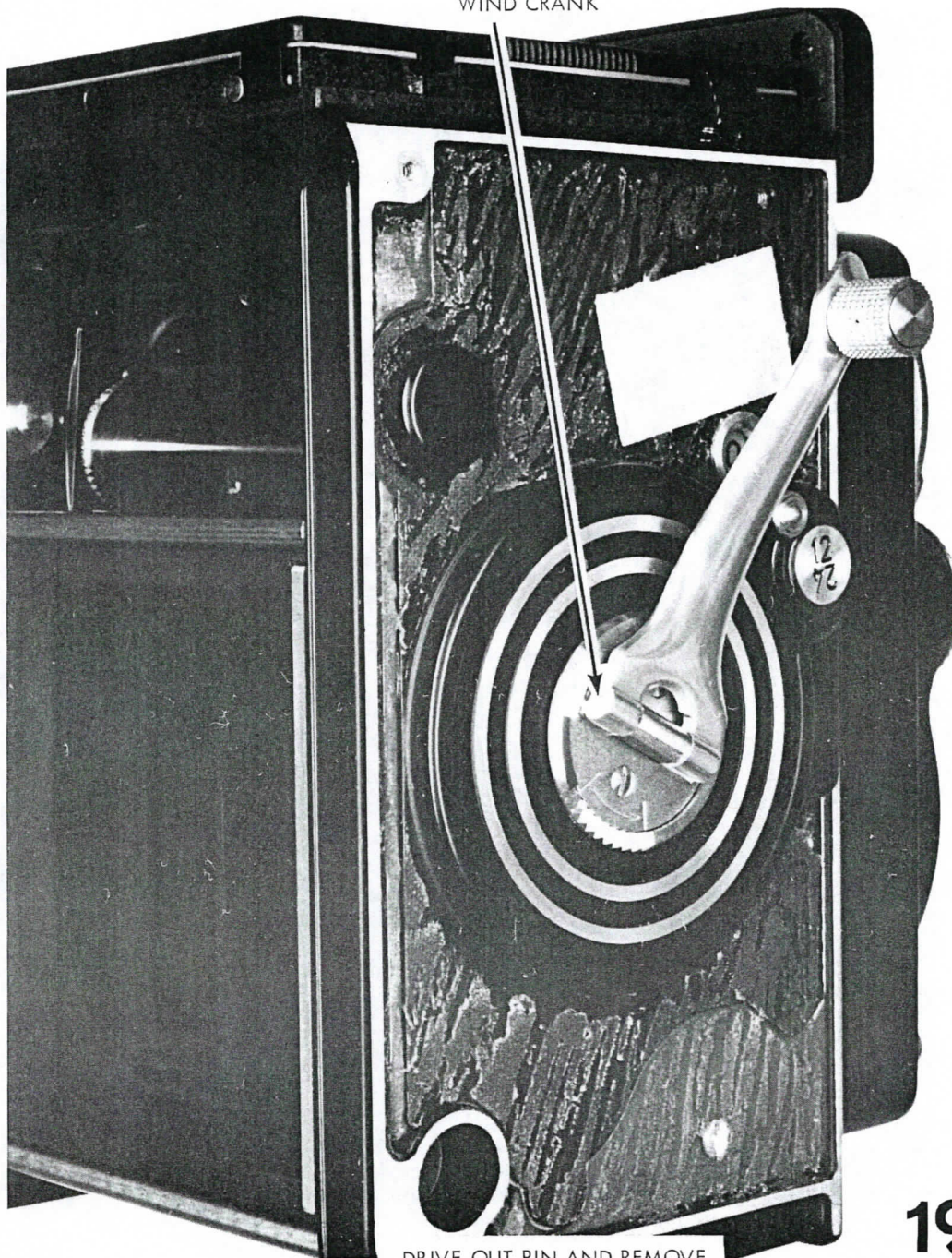
1. REMOVE TWO SCREWS AND
LIFT OFF STRAP LUG COVER

2. LIFT OUT
STRAP LUG
PLATE UNDER
COVER





PIN HOLDS
WIND CRANK

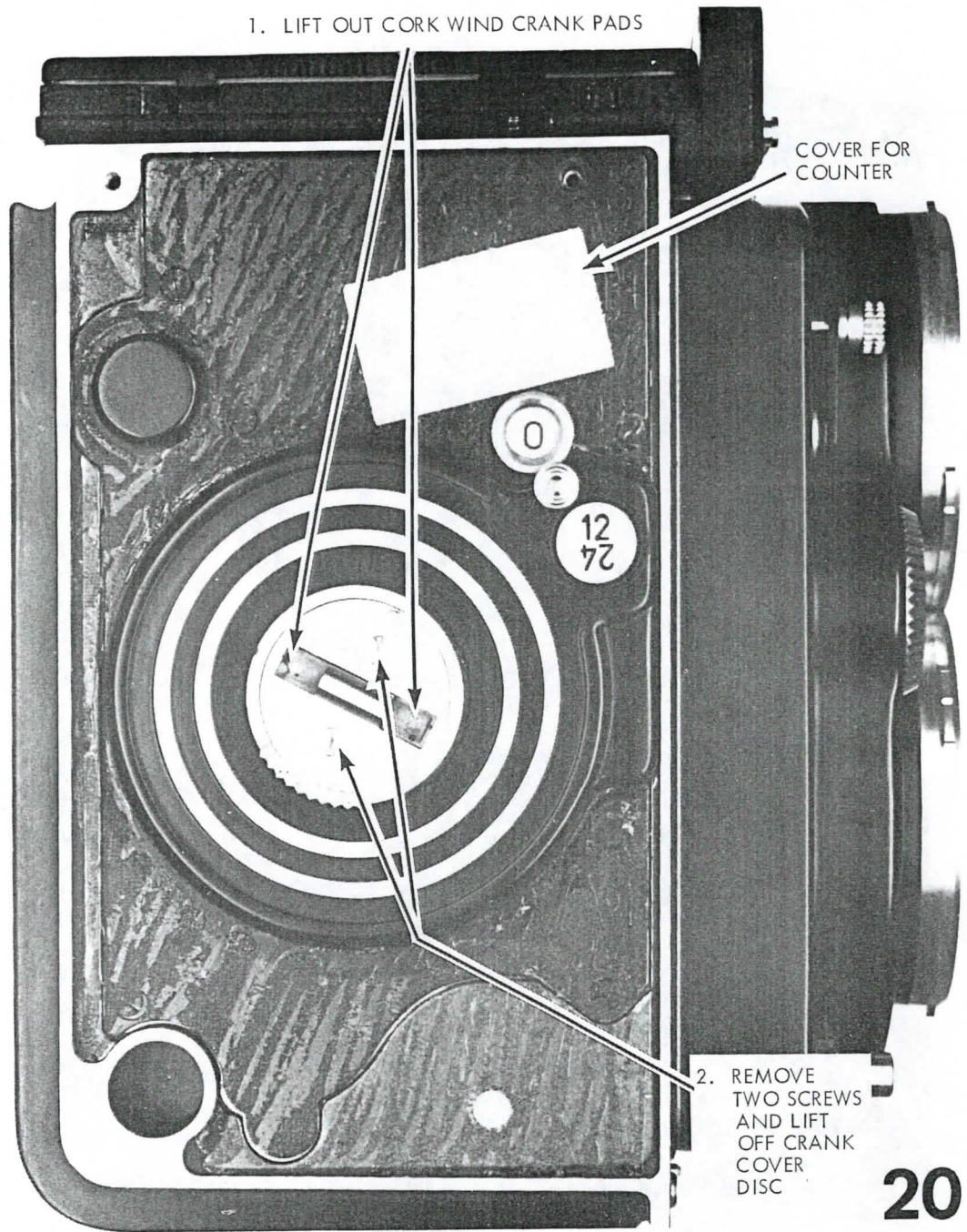


DRIVE OUT PIN AND REMOVE
WIND CRANK

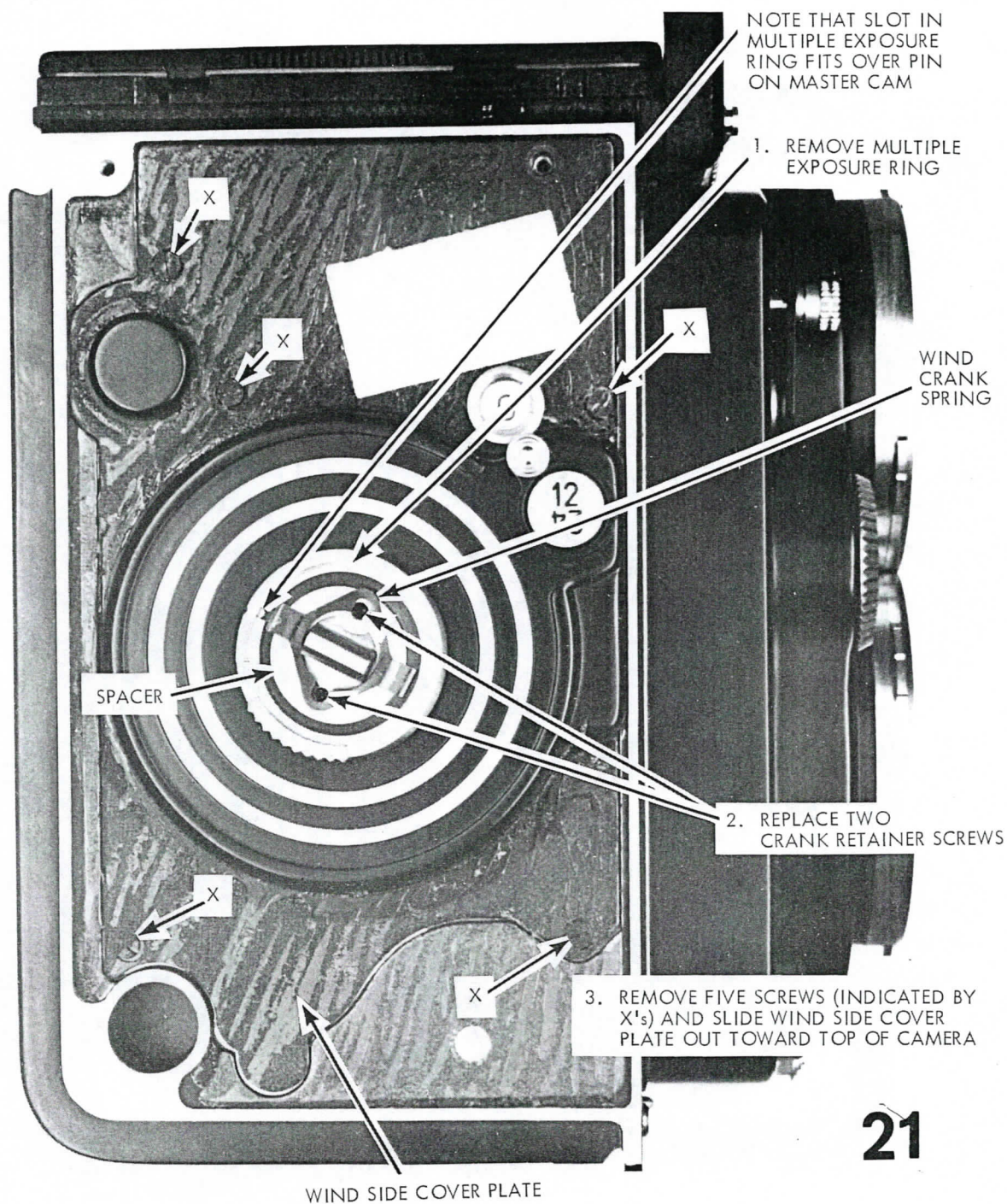
19

1. LIFT OUT CORK WIND CRANK PADS

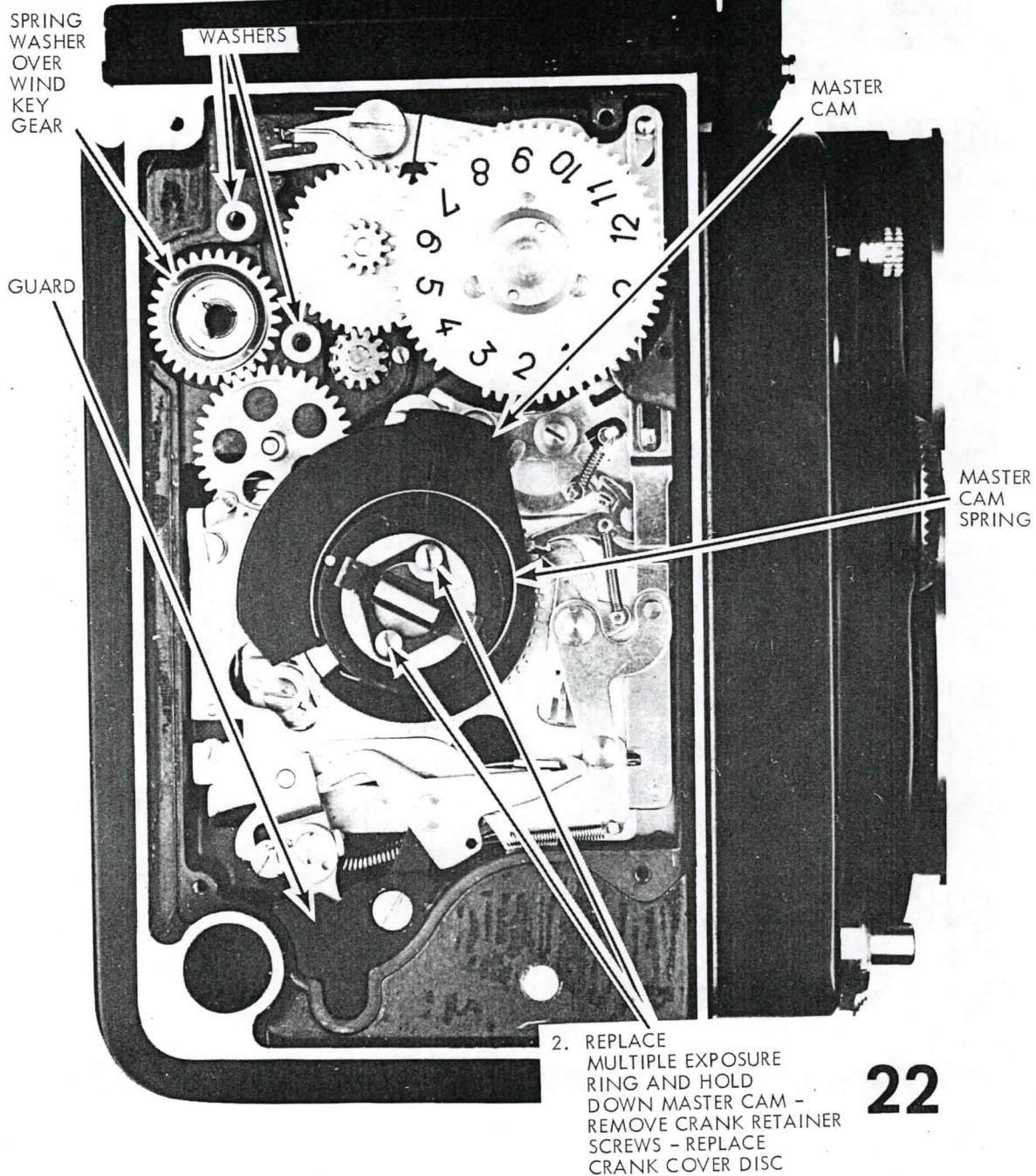
COVER FOR
COUNTER



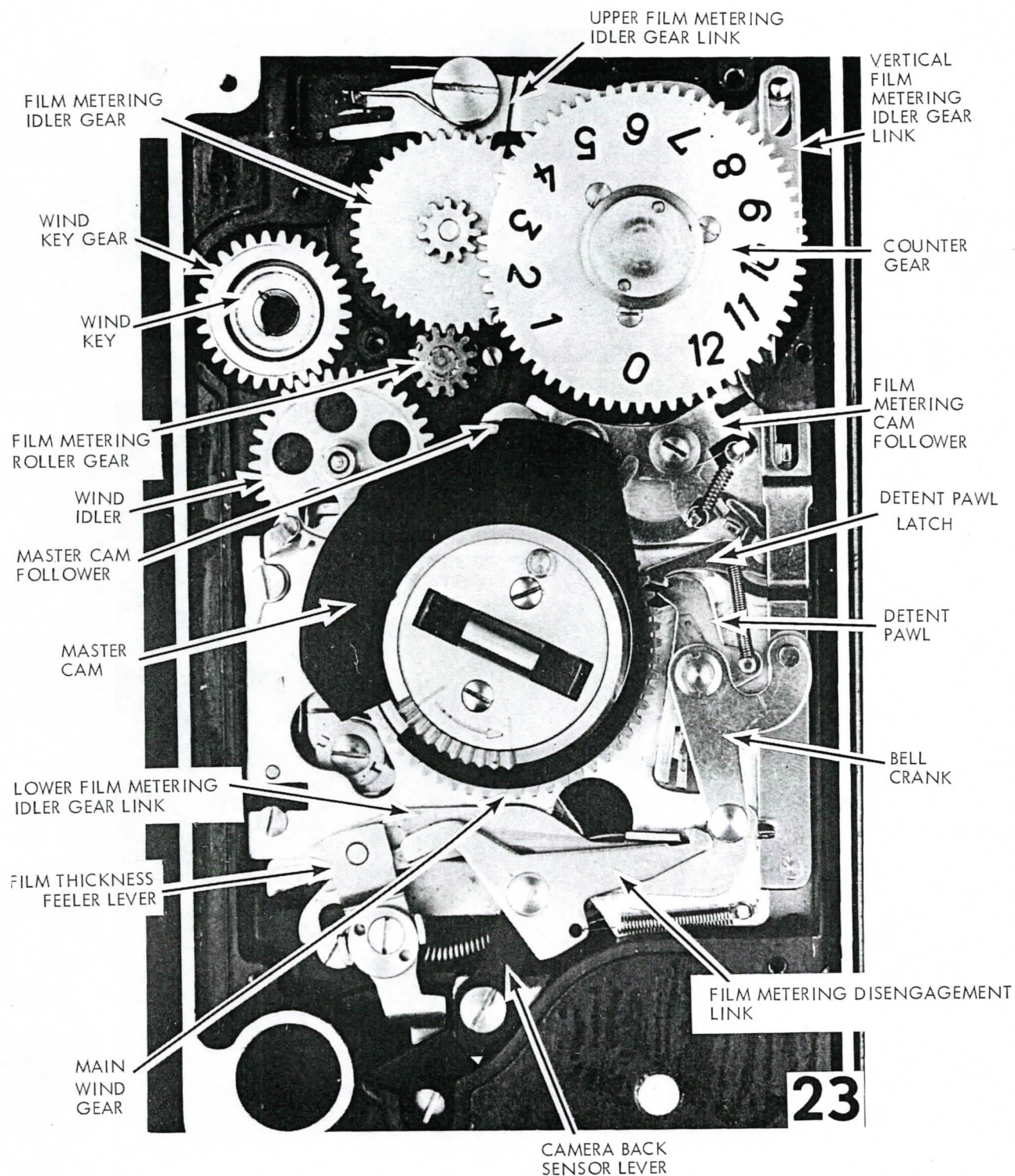
2. REMOVE
TWO SCREWS
AND LIFT
OFF CRANK
COVER
DISC

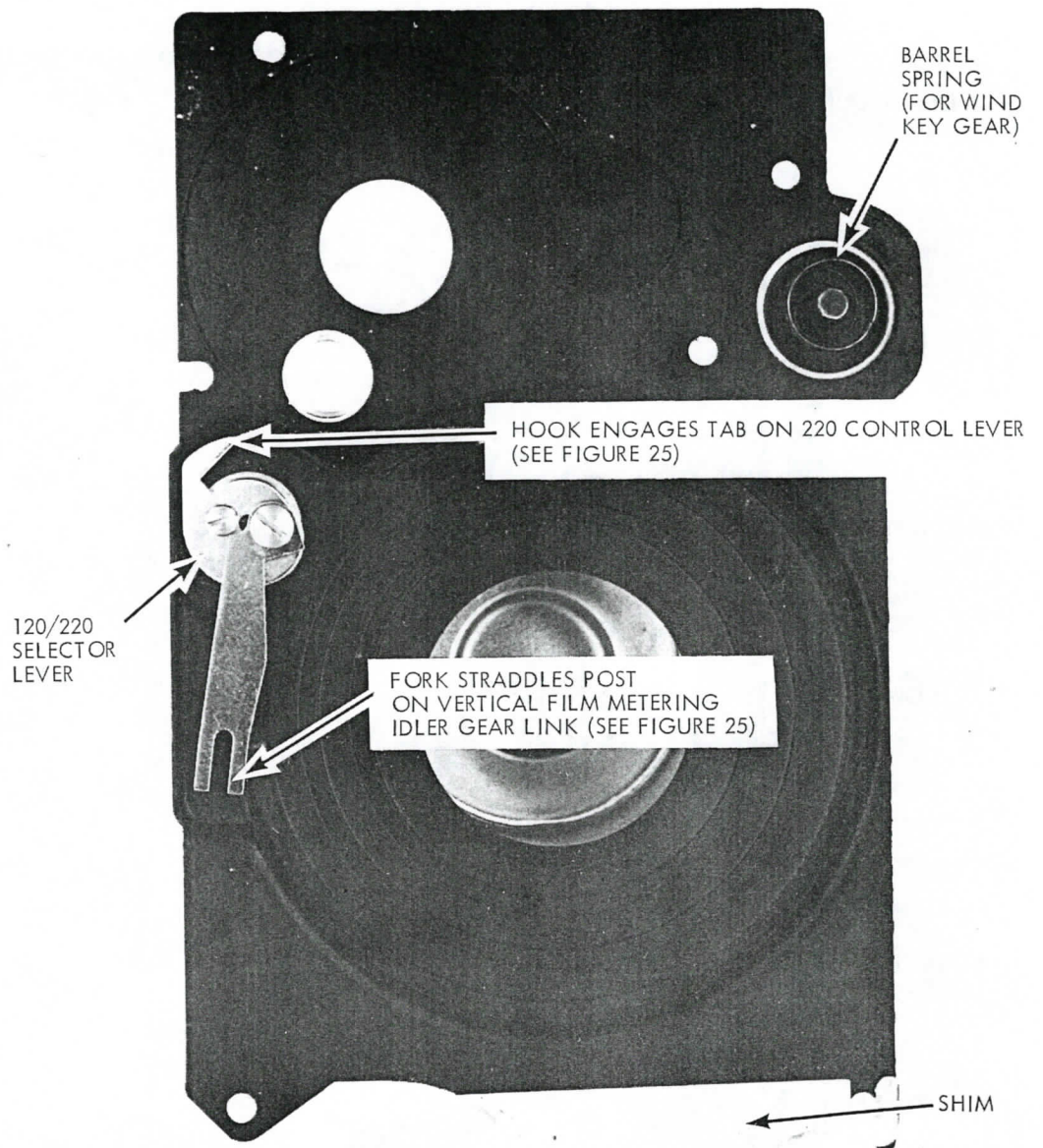


1. LIFT OUT LOOSE WASHERS AND GUARD



NOTE: The wind key and the wind key gear are now loose. However, we will leave these parts in place for now to examine the wind cycle. Be careful to avoid dropping out the wind key and the wind key gear during the following procedures.





INSIDE OF WIND SIDE COVER PLATE

FIGURES 25 THROUGH 30 SHOW
FILM WIND CYCLE

REPLACE WIND CRANK
TO STUDY WIND CYCLE

CAMERA BACK HAS
BEEN CLOSED ON A
NEW ROLL OF FILM

1. CAMERA BACK PUSHES
CAMERA BACK SENSOR
LEVER FORWARD

2. CAMERA BACK
SENSOR LEVER
PULLS FILM
METERING
DISENGAGEMENT
LINK TOWARD
BACK OF CAMERA

4. VERTICAL FILM
METERING IDLER
GEAR LINK PULLS
DOWN END OF
UPPER FILM
METERING
IDLER GEAR LINK --
FILM METERING IDLER
GEAR DISENGAGES
FROM COUNTER
GEAR

VERTICAL FILM
METERING IDLER
GEAR
LINK ALSO
PULLS DOWN TAB
ON END OF FILM
METERING CAM
FOLLOWER

5. SPRING-LOADED
COUNTER
GEAR RETURNS
TO "0"

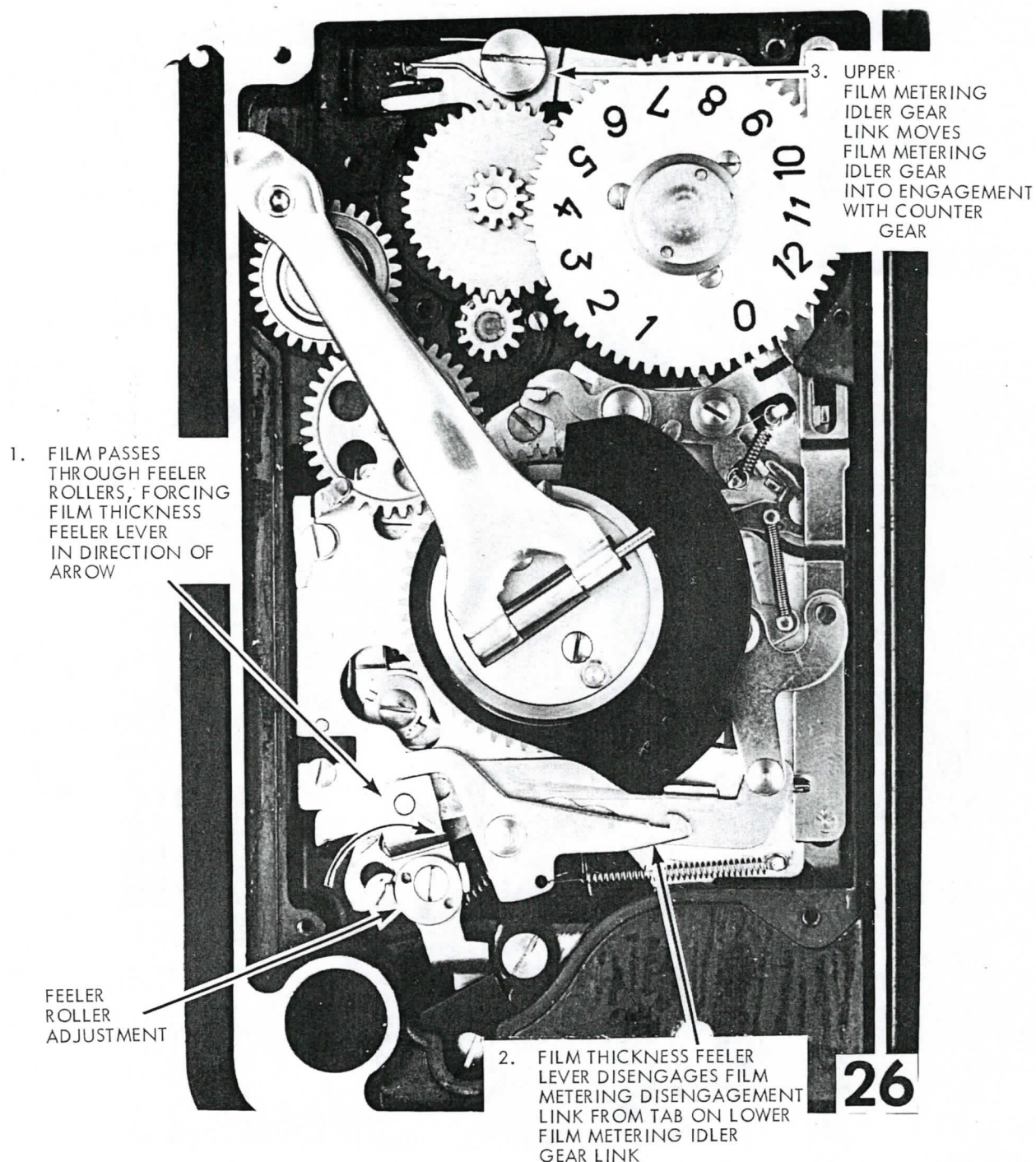
TAB ON
220 CONTROL
LEVER

POST ON
VERTICAL
FILM
METERING
IDLER GEAR

3. FILM METERING DISENGAGEMENT
LINK PULLS BACK LOWER
FILM METERING IDLER GEAR LINK -
SWINGING THE BELL CRANK TO
PULL DOWN THE VERTICAL FILM
METERING IDLER GEAR LINK

25

ADVANCING WIND CRANK WINDS FILM ONTO TAKE-UP SPOOL



ADJUSTMENT: The feeler roller adjustment determines the point at which the film metering disengagement link disengages from the lower film metering idler gear link. The disengagement must occur as soon as the film passes through the feeler rollers. As a safety factor, set the eccentric so the link disengages as the tape (holding the film to the paper backing) passes through the feeler rollers. Then, in the event your customer uses a film thinner than your test film, you can nonetheless be assured the camera will meter properly.

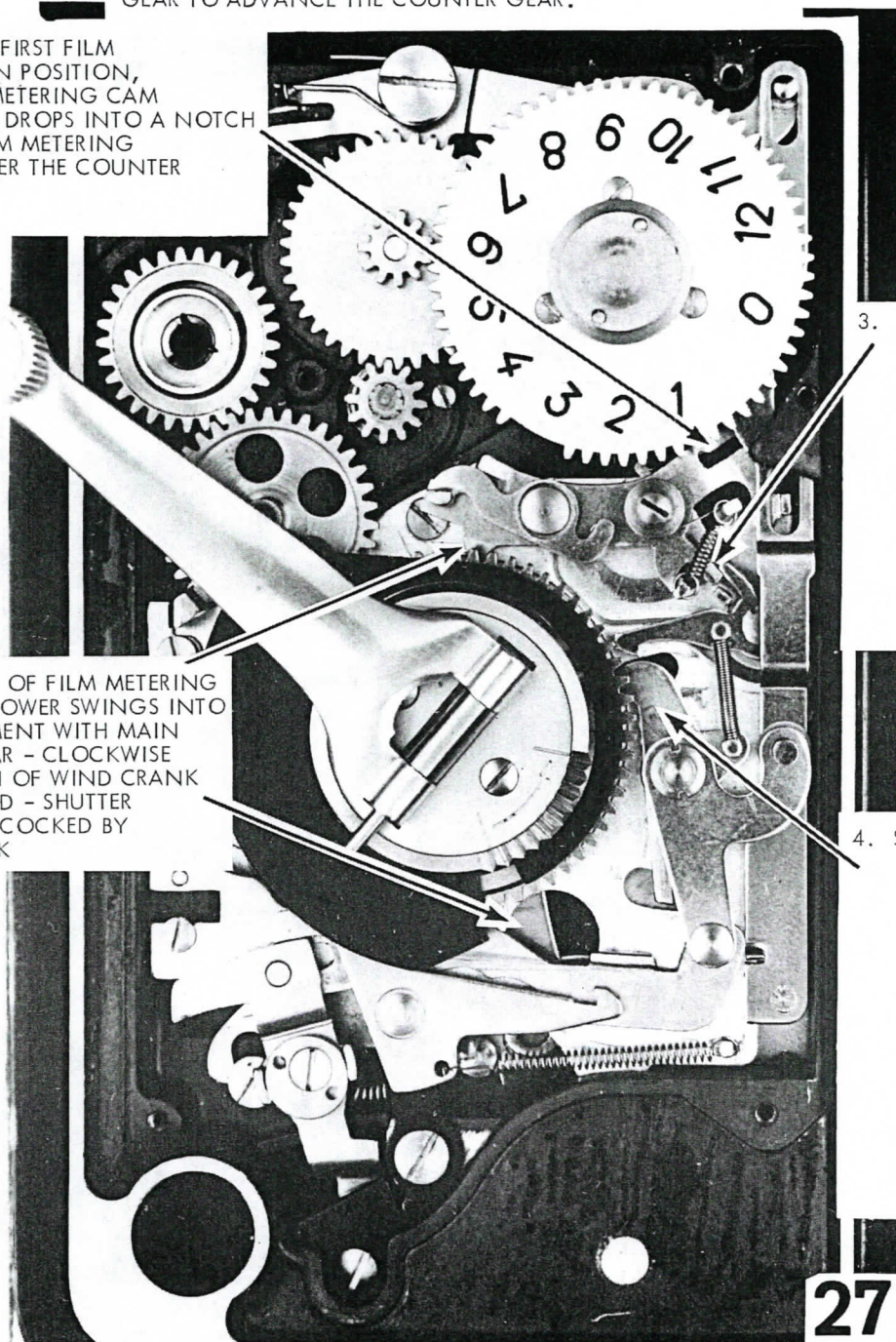
METERING ROLLER GEAR TURNS THE FILM METERING IDLER GEAR TO ADVANCE THE COUNTER GEAR.

1. WHEN THE FIRST FILM FRAME IS IN POSITION, THE FILM METERING CAM FOLLOWER DROPS INTO A NOTCH IN THE FILM METERING CAM (UNDER THE COUNTER GEAR)

2. PAWL END OF FILM METERING CAM FOLLOWER SWINGS INTO ENGAGEMENT WITH MAIN WIND GEAR - CLOCKWISE ROTATION OF WIND CRANK IS BLOCKED - SHUTTER HAS BEEN COCKED BY WIND LINK

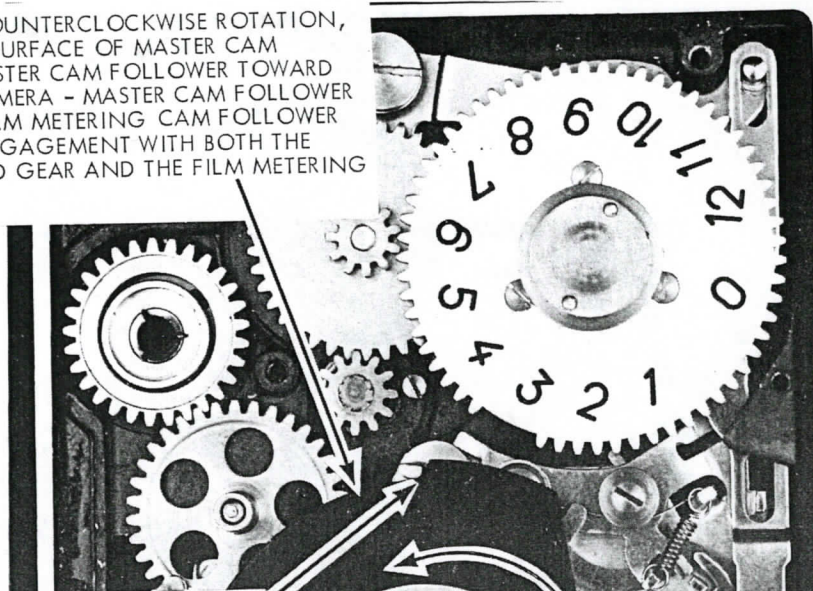
3. WHEN FILM METERING CAM FOLLOWER DROPS INTO NOTCH IN FILM METERING CAM, IT STRIKES DETENT PAWL LATCH TO DISENGAGE DETENT PAWL

4. SPRING-LOADED DETENT PAWL DROPS INTO ENGAGEMENT WITH MAIN WIND GEAR - MAIN WIND GEAR IS NOW LATCHED BY BOTH DETENT PAWL AND FILM METERING CAM FOLLOWER

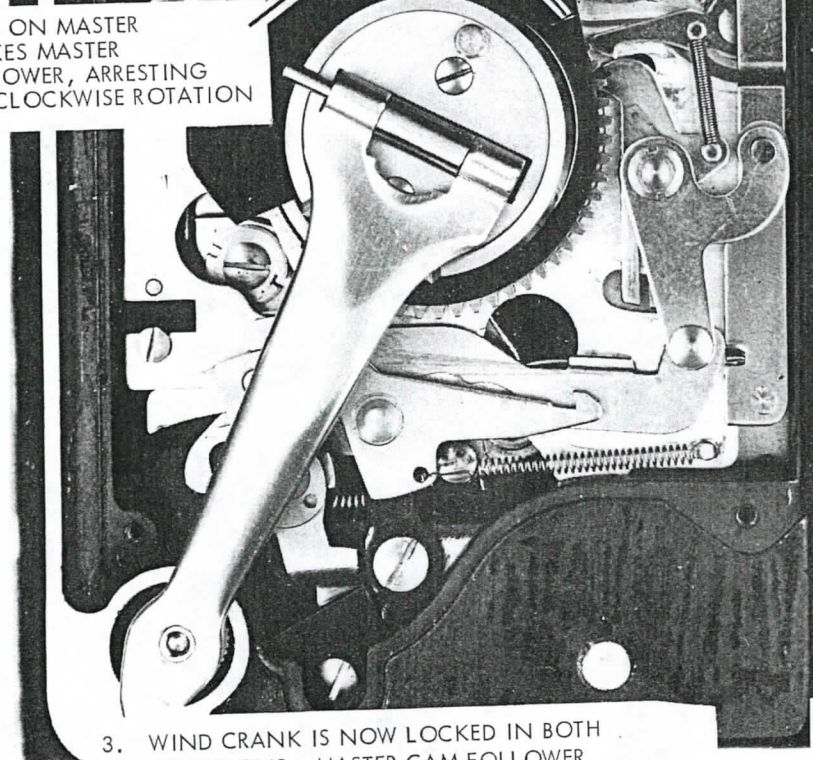


YOU CAN NOW TURN THE WIND CRANK ONLY IN A COUNTERCLOCKWISE DIRECTION - THE ONE-WAY CLUTCH (UNDER THE MASTER CAM) PERMITS COUNTERCLOCKWISE ROTATION.

1. DURING COUNTERCLOCKWISE ROTATION, INCLINED SURFACE OF MASTER CAM PUSHES MASTER CAM FOLLOWER TOWARD TOP OF CAMERA - MASTER CAM FOLLOWER SWINGS FILM METERING CAM FOLLOWER OUT OF ENGAGEMENT WITH BOTH THE MAIN WIND GEAR AND THE FILM METERING CAM



2. SHOULDER ON MASTER CAM STRIKES MASTER CAM FOLLOWER, ARRESTING COUNTERCLOCKWISE ROTATION



3. WIND CRANK IS NOW LOCKED IN BOTH DIRECTIONS - MASTER CAM FOLLOWER PREVENTS COUNTERCLOCKWISE ROTATION, AND DETENT PAWL PREVENTS CLOCKWISE ROTATION

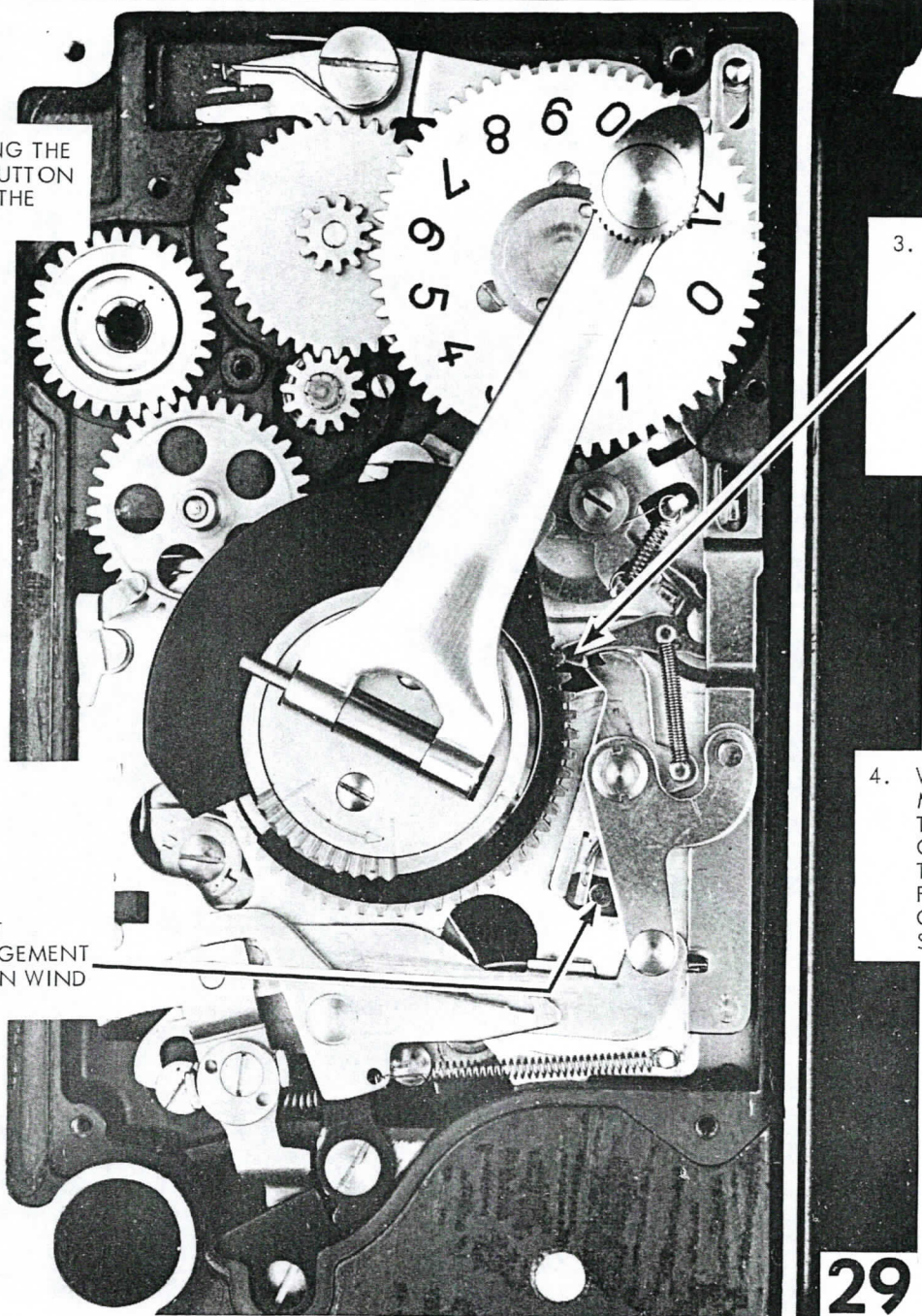
THE WIND CRANK MUST BE IN THIS POSITION BEFORE RELEASE
BUTTON CAN BE DEPRESSED - IN ANY OTHER POSITION, THE
SECONDARY CAM (NOT YET VISIBLE) BLOCKS THE RELEASE

1. DEPRESSING THE
RELEASE BUTTON
RELEASES THE
SHUTTER

2. STUD ON
SHUTTER
RELEASE
CRANK
PUSHES
DETENT
PAWL OUT
OF ENGAGEMENT
WITH MAIN WIND
GEAR

3. DETENT
PAWL LATCH
ENGAGES
DETENT
PAWL,
HOLDING
DETENT
PAWL AWAY
FROM MAIN
WIND GEAR

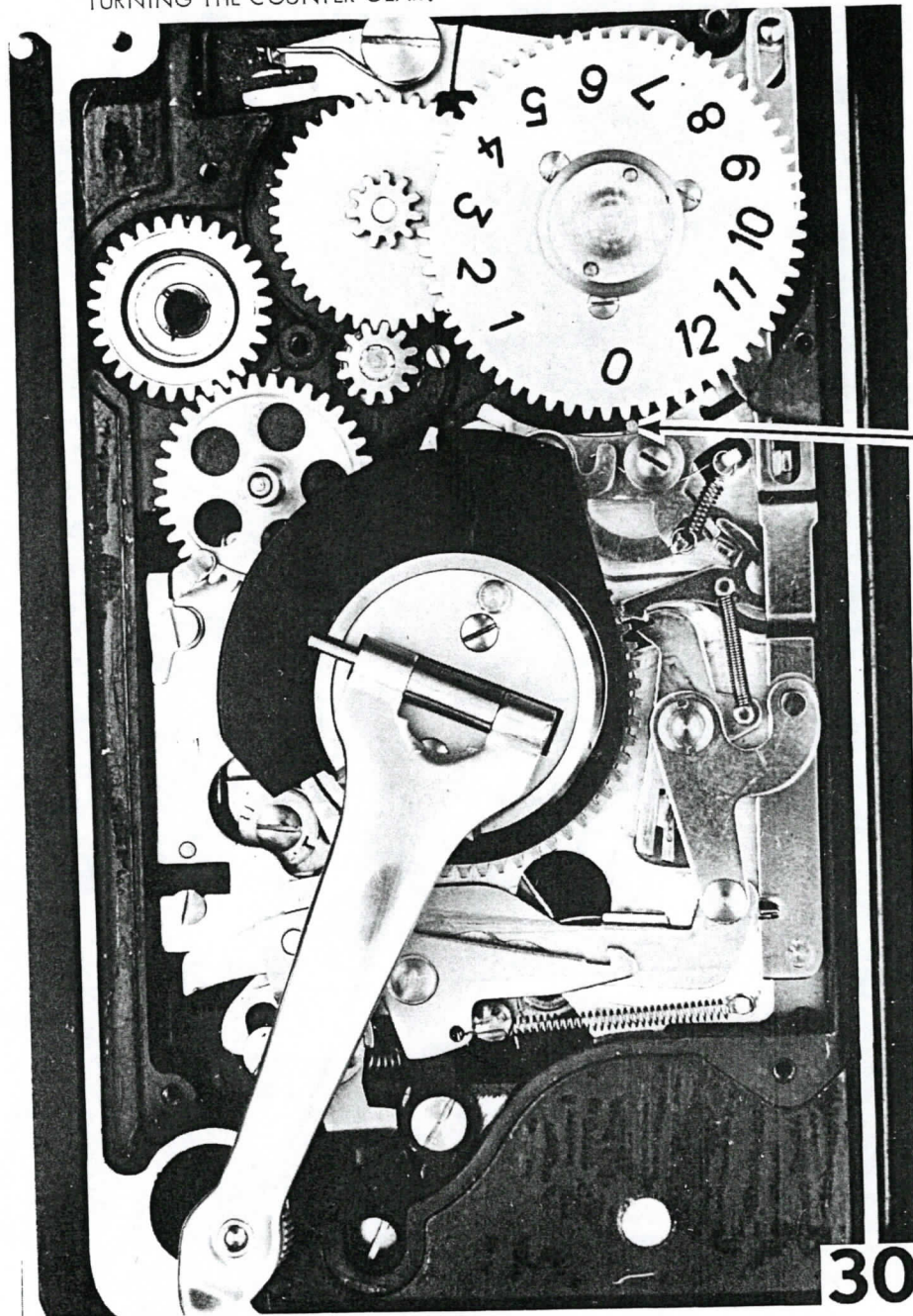
4. WIND CRANK
MAY NOW BE
TURNED
CLOCKWISE
TO ADVANCE
FILM AND
COCK
SHUTTER



29

ADJUSTMENT: The detent pawl must be engaged and held by the detent pawl latch immediately prior to the shutter release. Adjustment is by forming the lower, slotted end of the detent pawl.

AFTER EXPOSING THE LAST FILM FRAME (12), THE FILM METERING IDLER GEAR RIDES IN THE CUTOUT SECTION OF THE COUNTER GEAR. YOU CAN NOW WIND THE FILM ONTO THE TAKE-UP SPOOL WITHOUT TURNING THE COUNTER GEAR.



END OF 220
CONTROL
LEVER THAT
ENGAGES
FILM
METERING
CAM

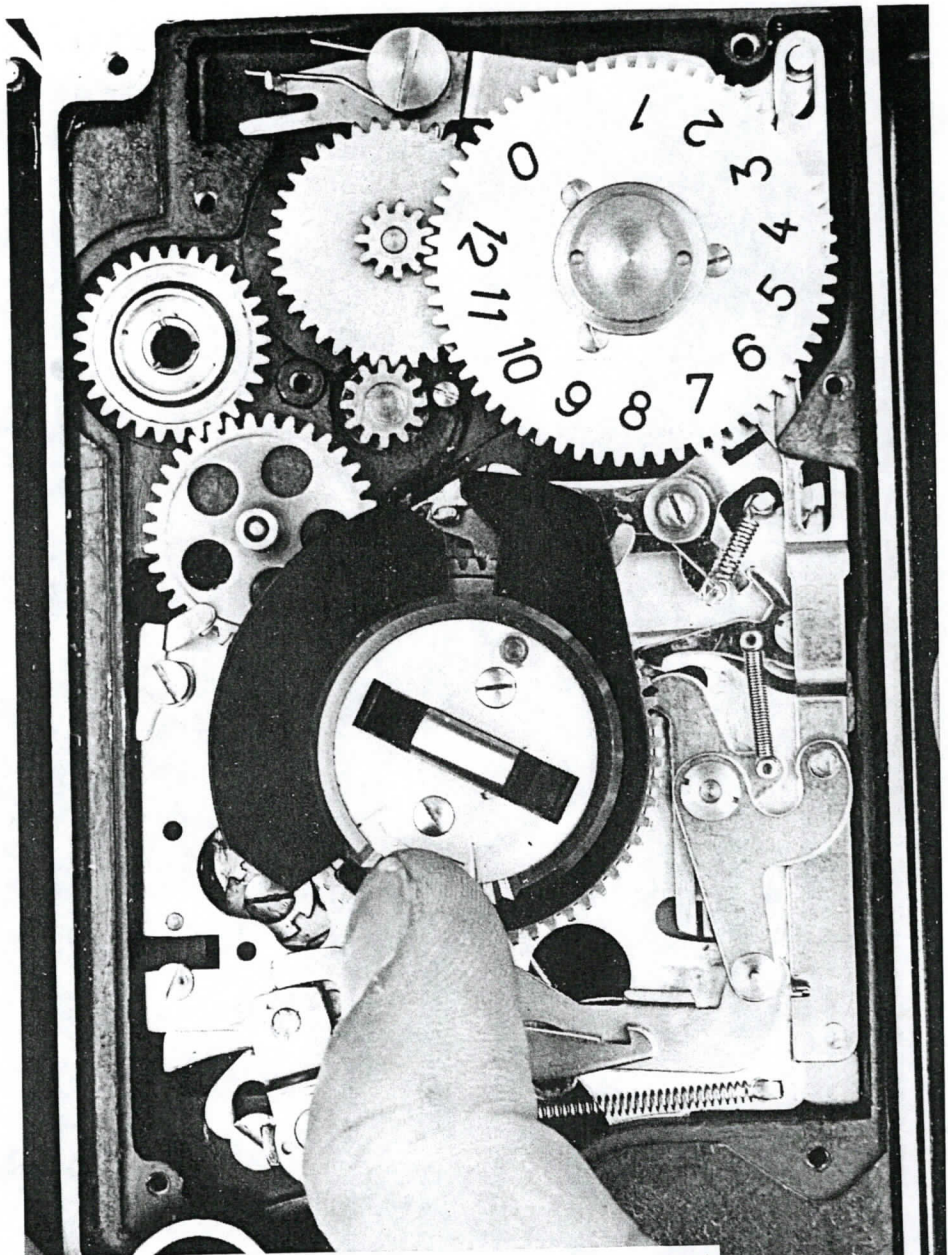
The 120/220 selector lever, when set to 24, holds the 220 control lever in the path of the film metering cam. After the 12th frame, the stop lug on the film metering cam strikes the end of the 220 control lever; that pushes the 220 control lever against the detent pawl latch, releasing the detent pawl. Now, the main wind gear is locked. Turning the 120/220 selector lever to 12 pushes down the vertical film metering idler gear link -- and the counter gear then returns to "0." When you depress the release button to free the main wind gear, you can advance the wind crank for another 12 exposures.

FIGURES 31 THROUGH 33 SHOW SEQUENCE FOR INTENTIONAL DOUBLE EXPOSURE

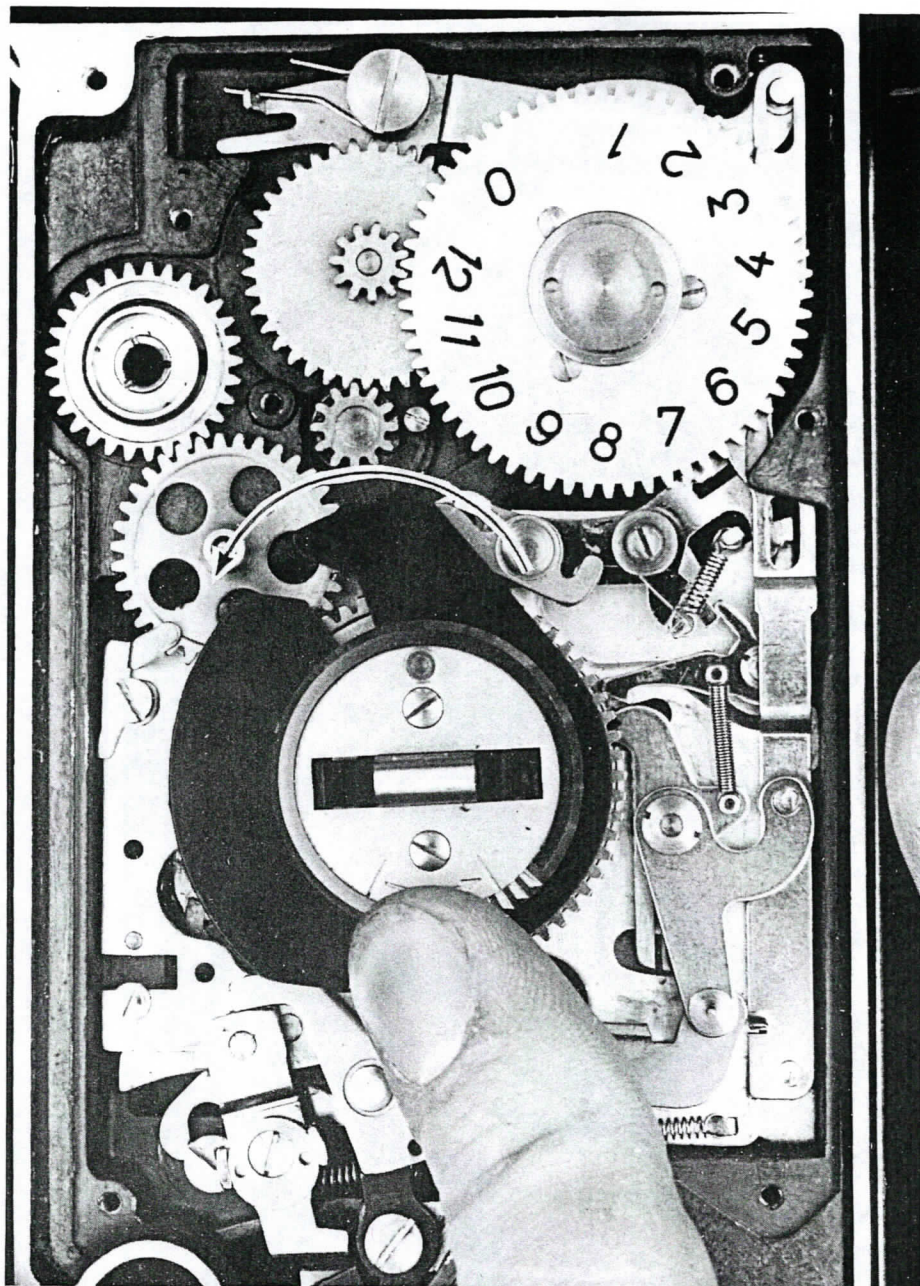


- SHUTTER HAS BEEN COCKED AND RELEASED FOR FIRST EXPOSURE -
TURNING WIND CRANK CLOCKWISE WILL ADVANCE FILM

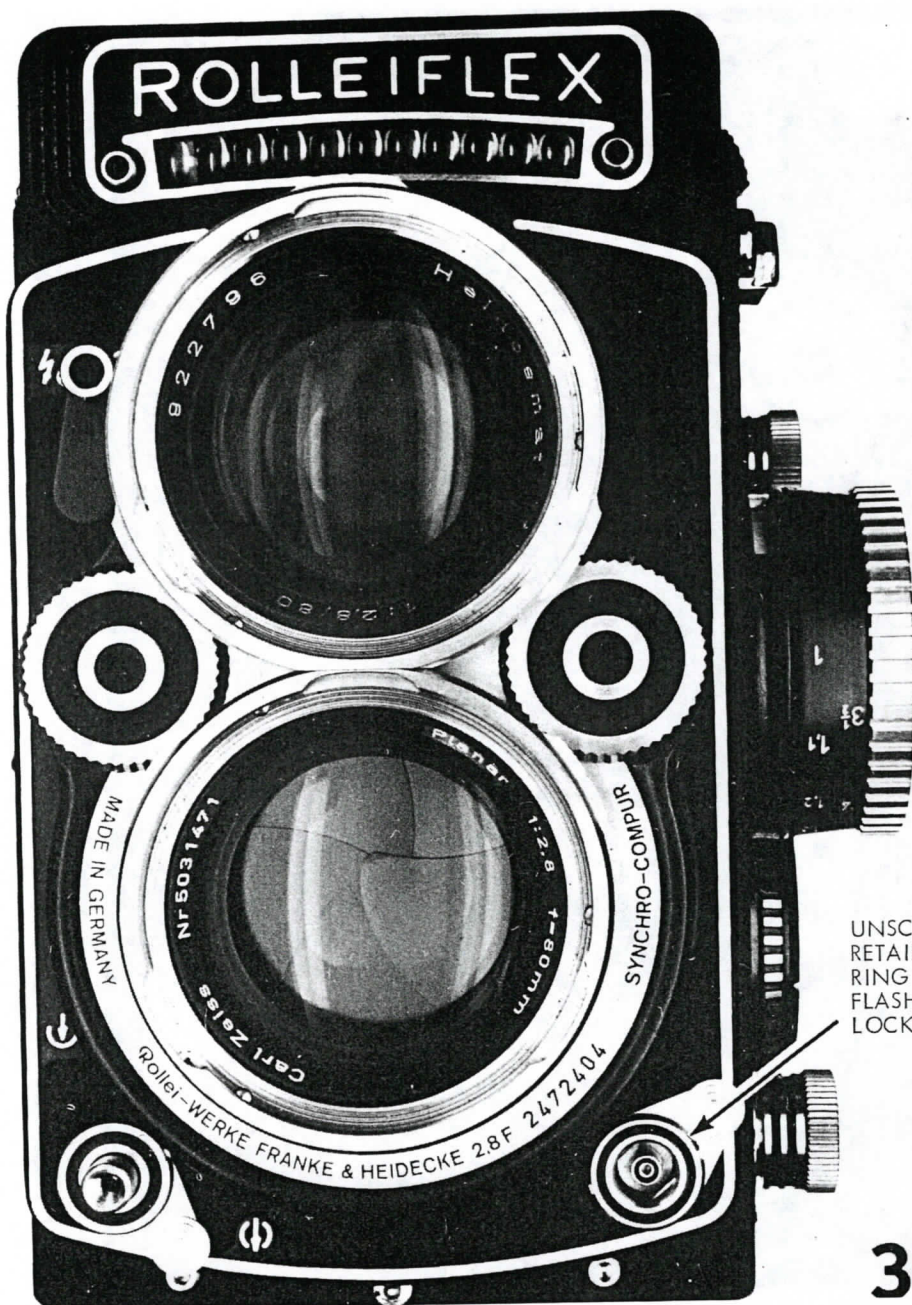
31



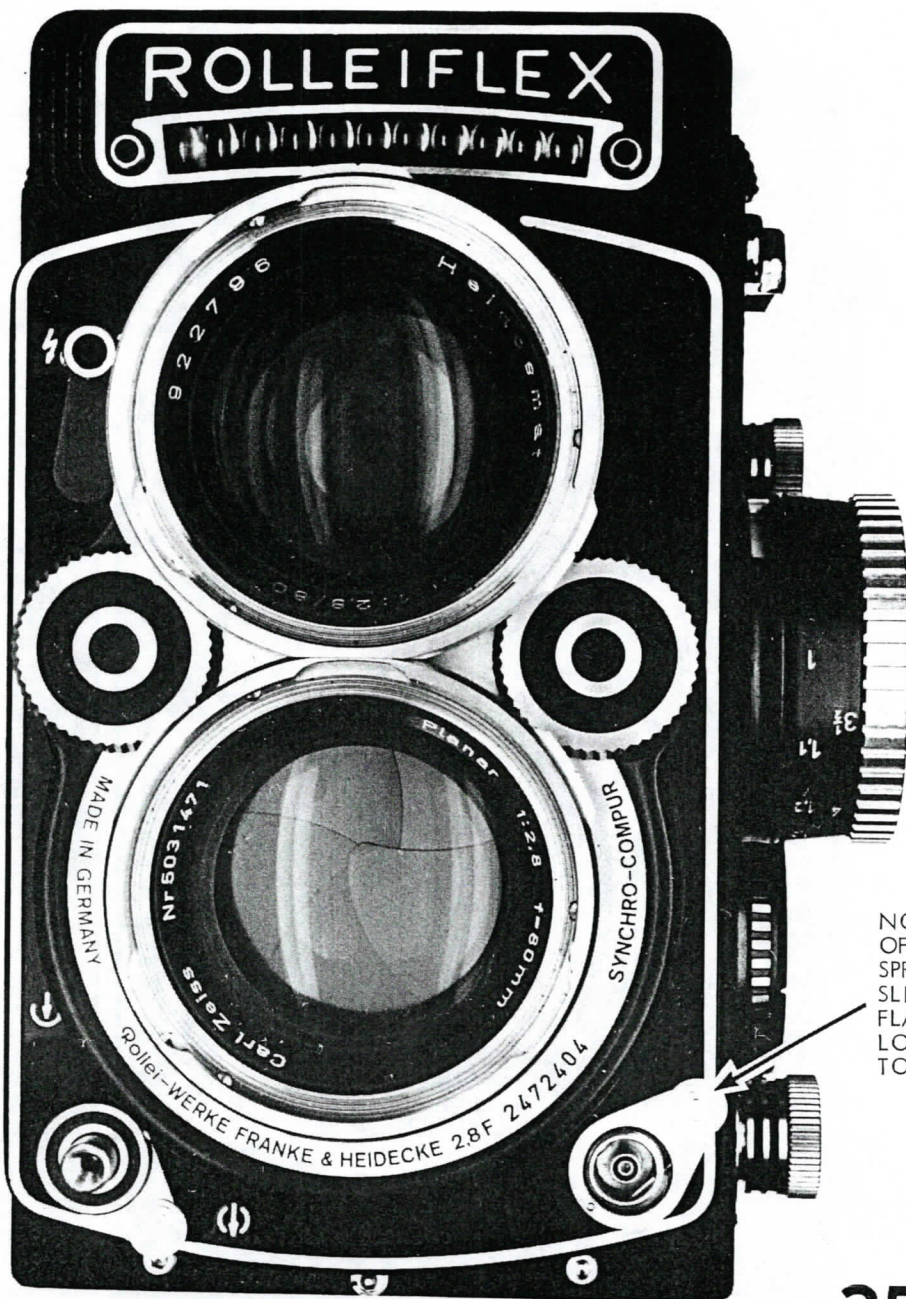
TURNING MULTIPLE EXPOSURE RING SEPARATES SECTIONS OF MASTER CAM - MASTER CAM FOLLOWER DROPS INTO SLOT AND FREES MASTER CAM



YOU CAN NOW TURN WIND CRANK COUNTERCLOCKWISE TO
COCK SHUTTER WITHOUT ADVANCING FILM



UNSCREW
RETAINING
RING OVER
FLASH CORD
LOCK LEVER



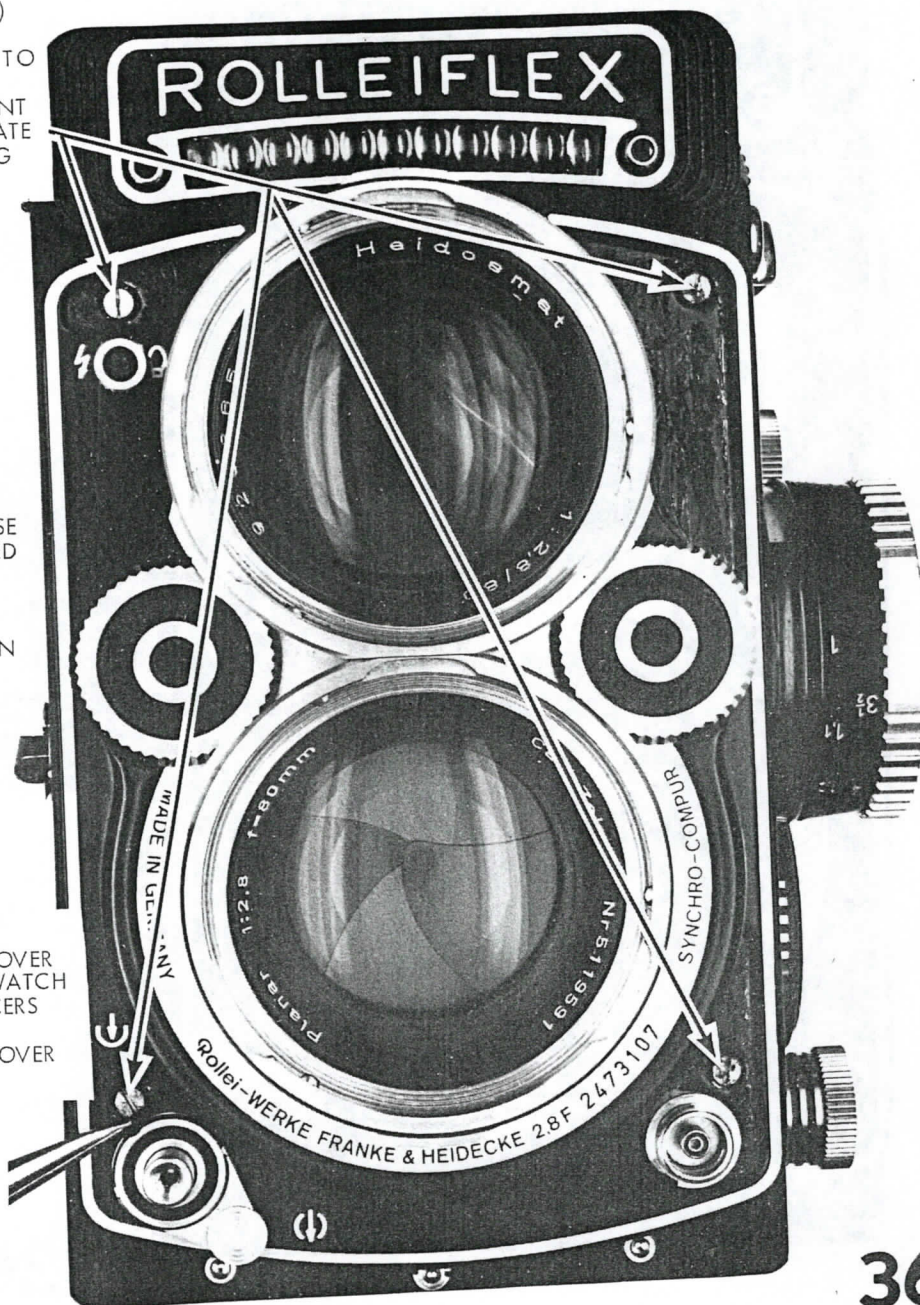
NOTE POSITIONS
OF LOCKING
SPRINGS -
SLIDE OUT
FLASH CORD
LOCK LEVER
TO THE RIGHT

1. REMOVE (OR
PEEL BACK)
LEATHER
SECTIONS TO
EXPOSE
FOUR FRONT
COVER PLATE
RETAINING
SCREWS

2. REMOVE
SCREWS

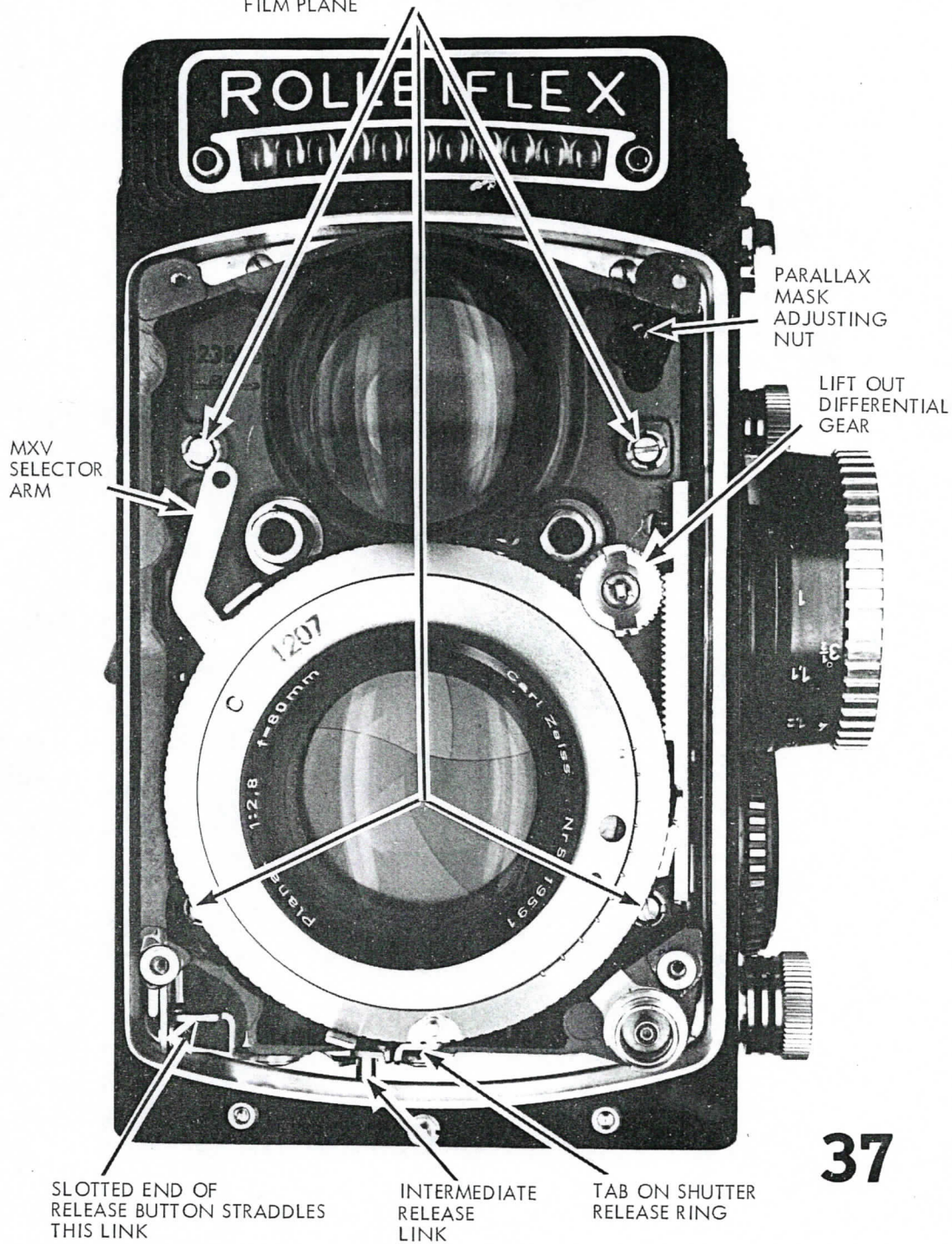
3. TURN
RELEASE
BUTTON
LOCK
CLOCKWISE
TO LOCKED
POSITION
TO HOLD
RELEASE
BUTTON IN
FRONT
COVER
PLATE

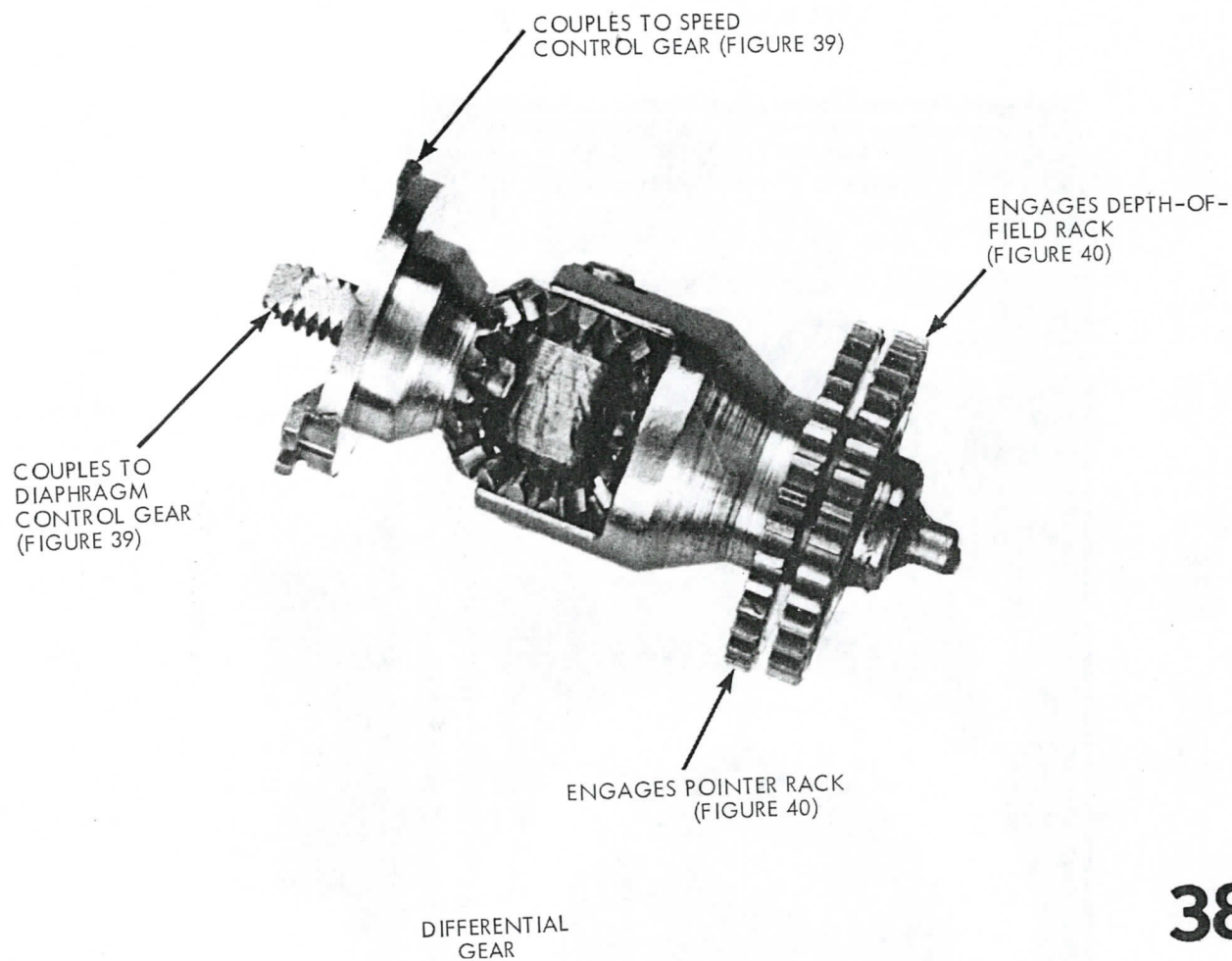
4. LIFT OFF
FRONT COVER
PLATE - WATCH
FOR SPACERS
UNDER
FRONT COVER
PLATE

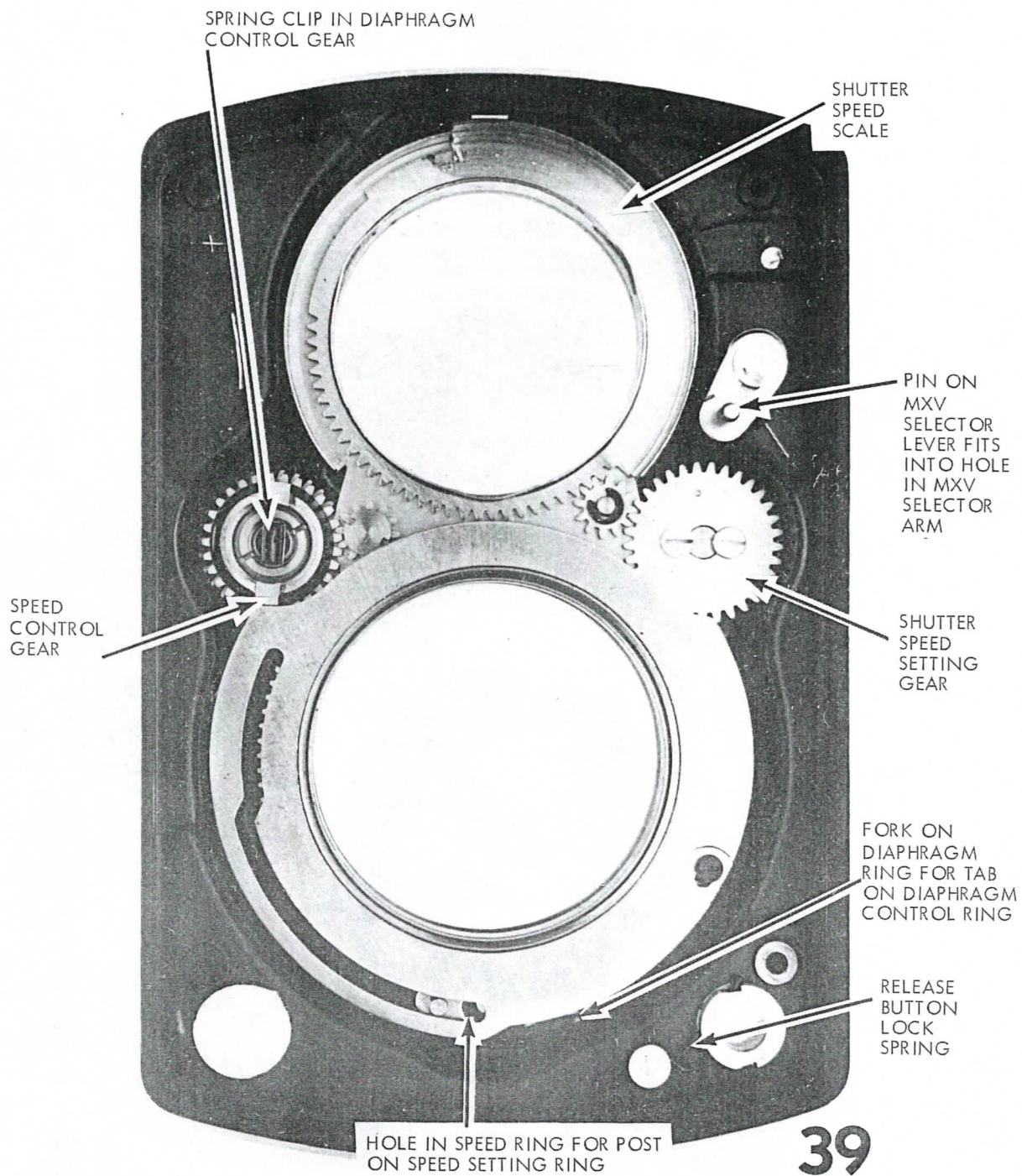


CAUTION: CABLE RELEASE PIN THROUGH CENTER OF
RELEASE BUTTON MAY FALL OUT AS YOU REMOVE
FRONT COVER PLATE

THREADED BUSHINGS ARE FOR ADJUSTING
PARALLELISM OF LENS STANDARD TO
FILM PLANE

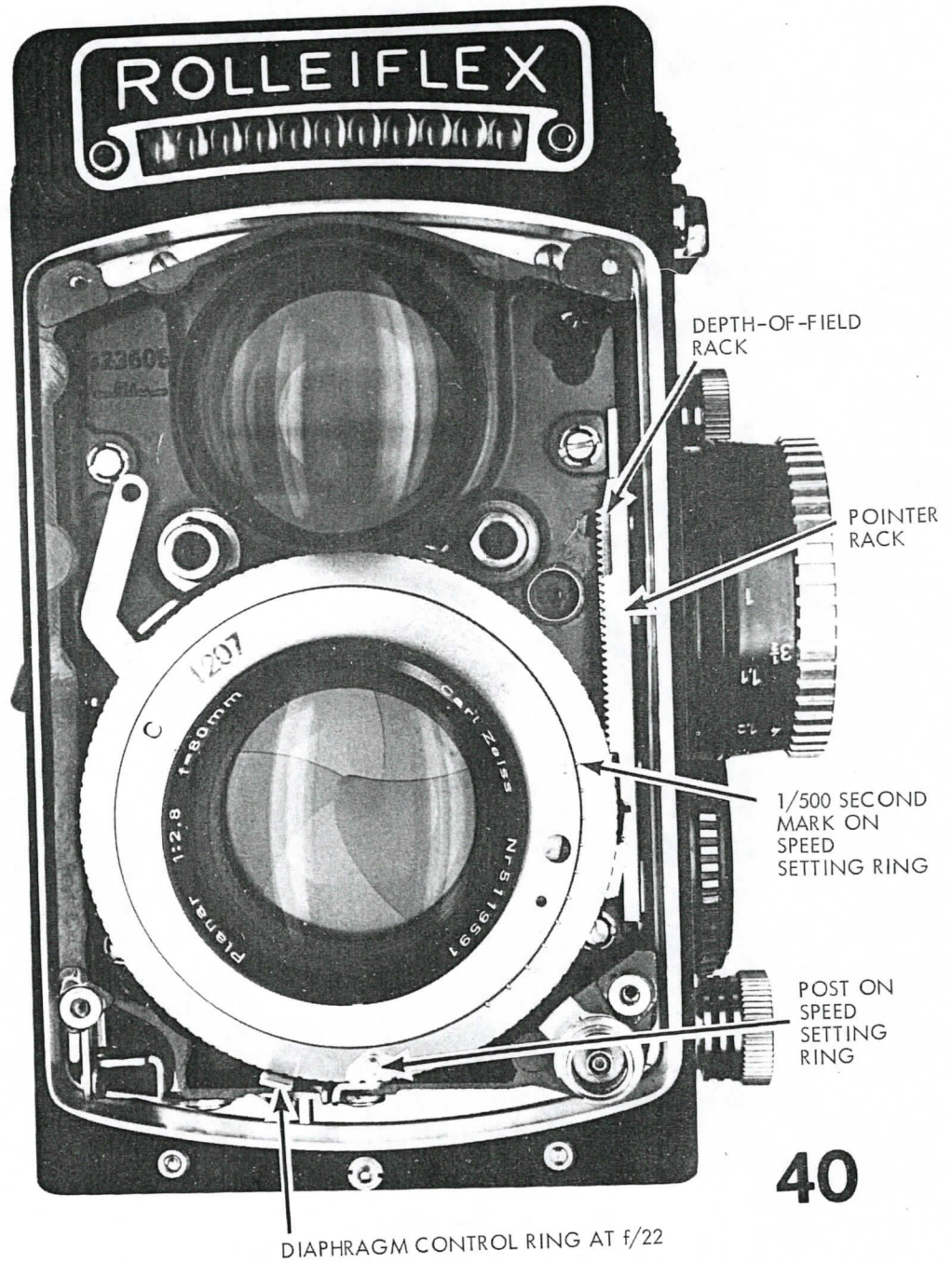


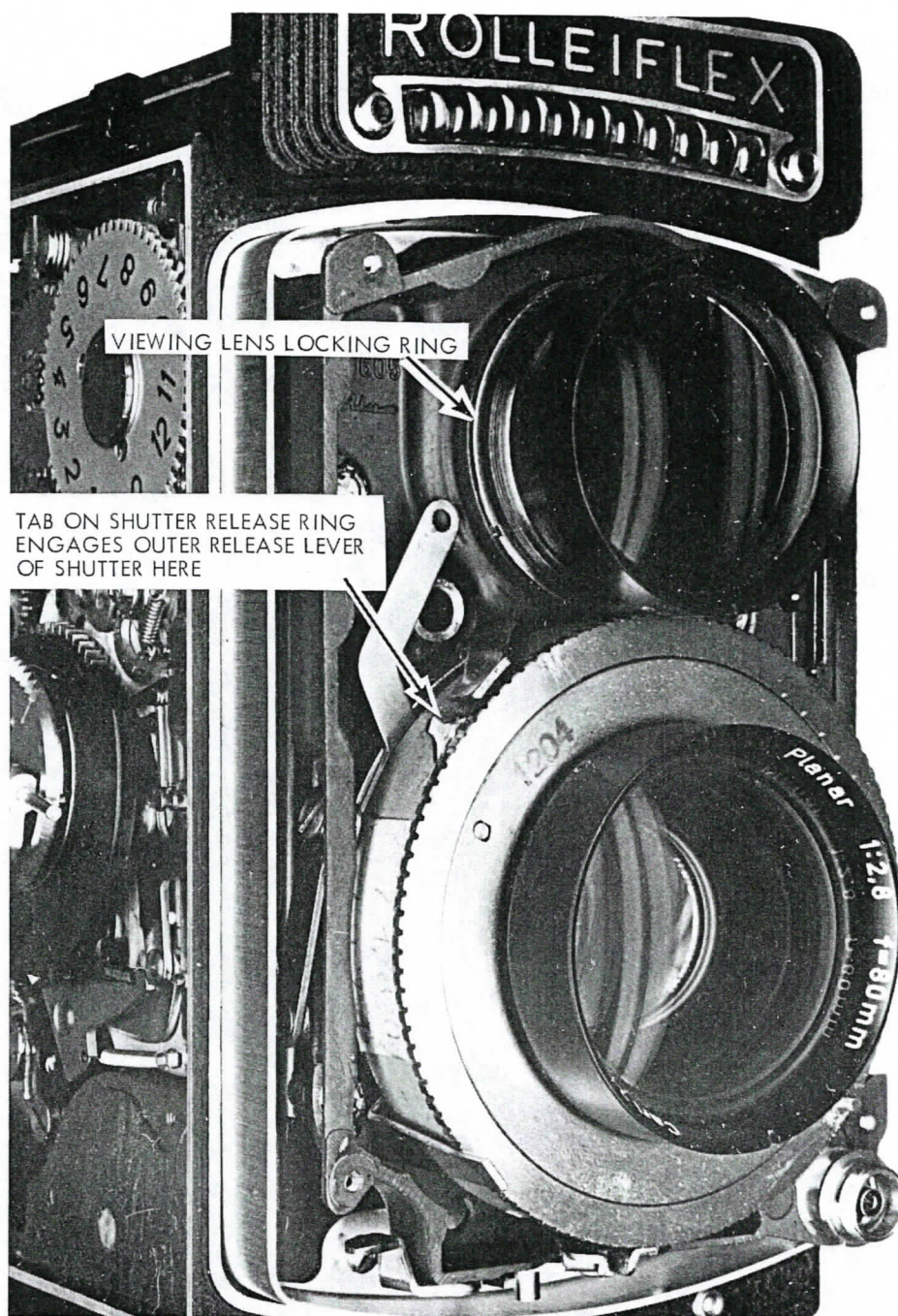




INSIDE OF FRONT COVER PLATE

INSTRUCTIONS FOR REPLACING FRONT COVER PLATE ARE
GIVEN IN "ROLLEIFLEX 2.8F - 3.5F" SUPPLEMENT SHEET



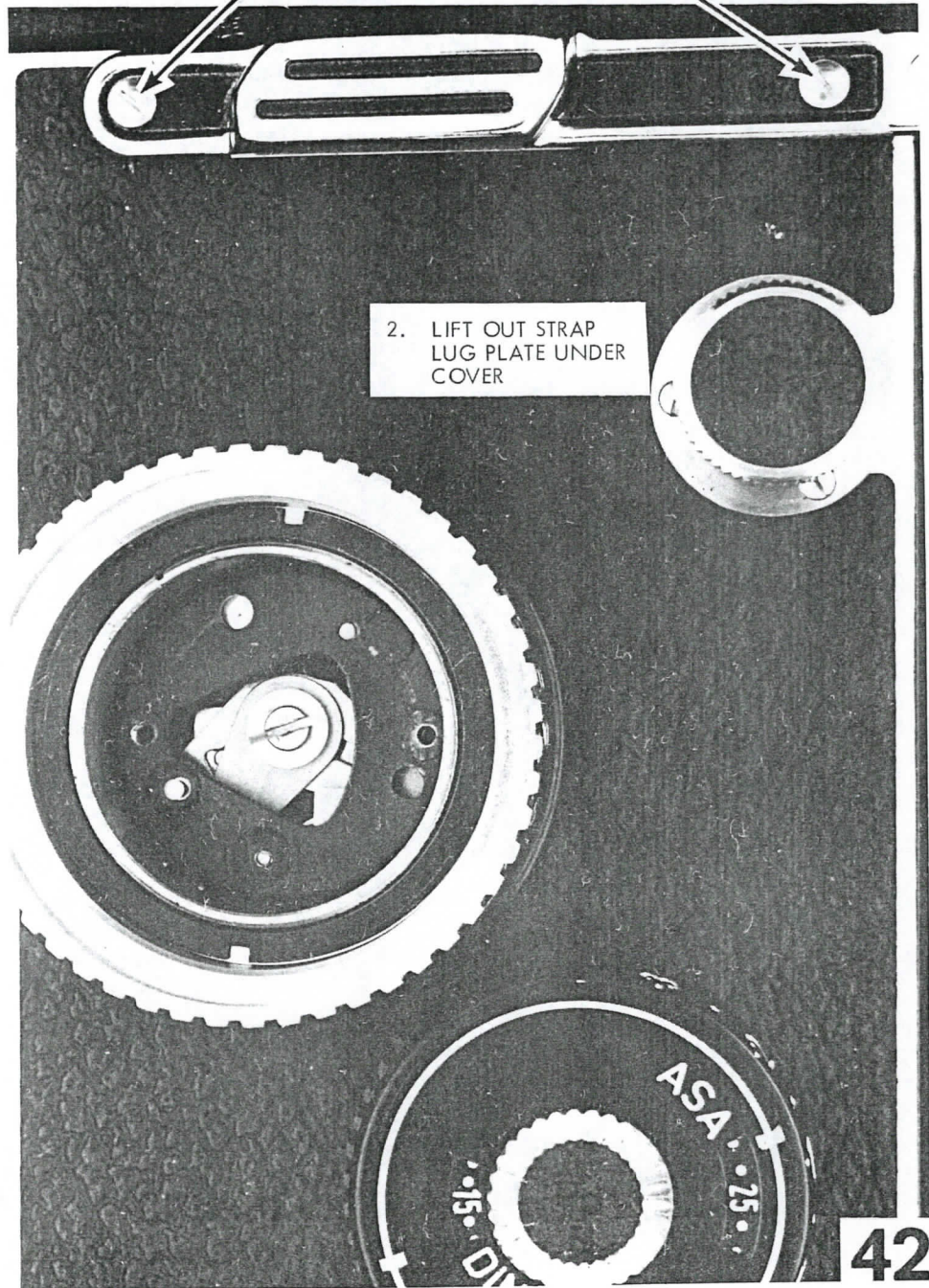


41

ADJUSTMENT: After adjusting the taking lens at infinity (see figure 6), check the position of the viewing lens. Screw the viewing lens in or out to the best infinity position -- then, turn down the locking ring (clockwise) to hold the adjustment. The locking ring is normally sealed with lacquer.

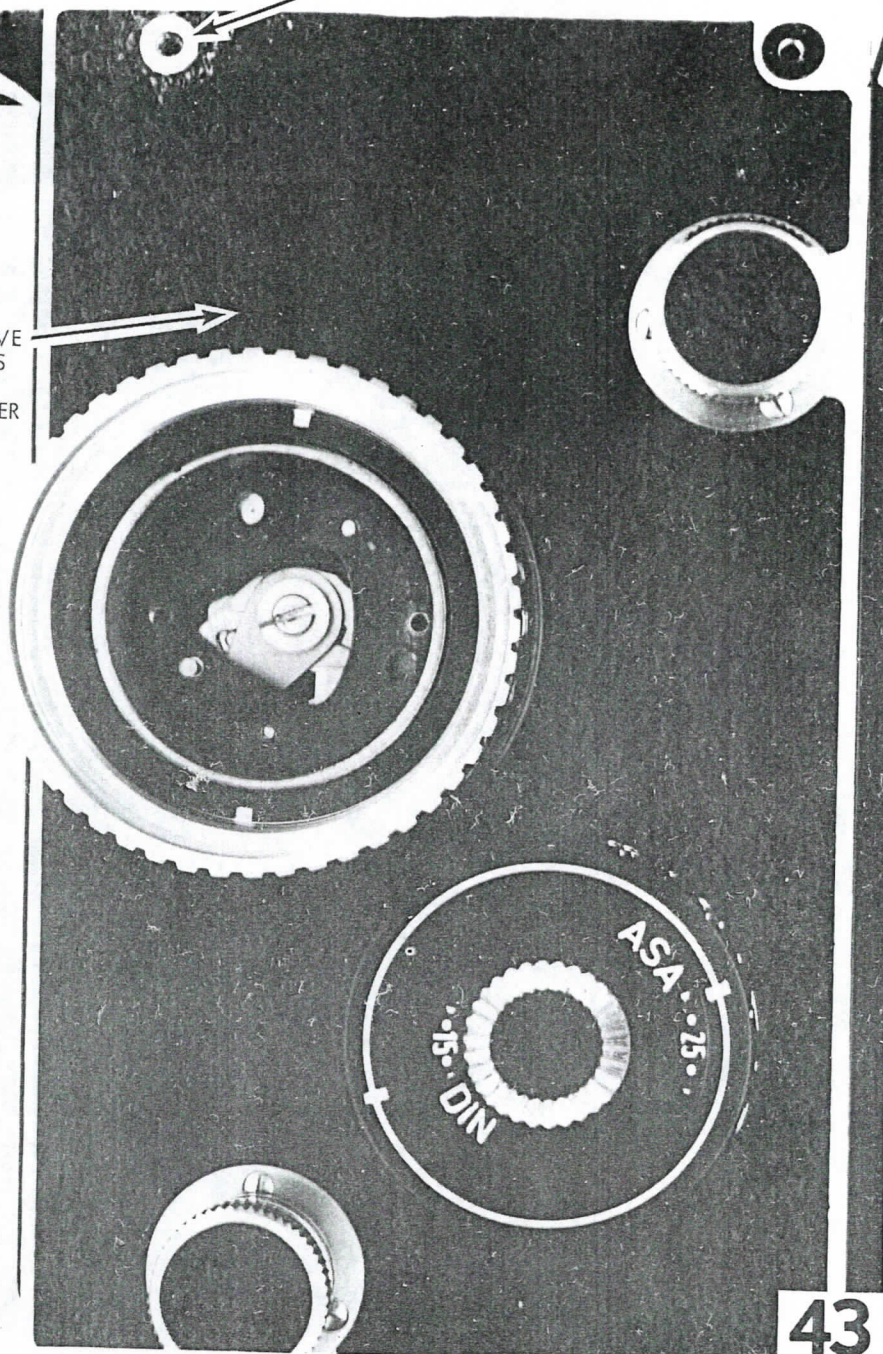
1. REMOVE TWO SCREWS AND LIFT OFF
STRAP LUG COVER

2. LIFT OUT STRAP
LUG PLATE UNDER
COVER

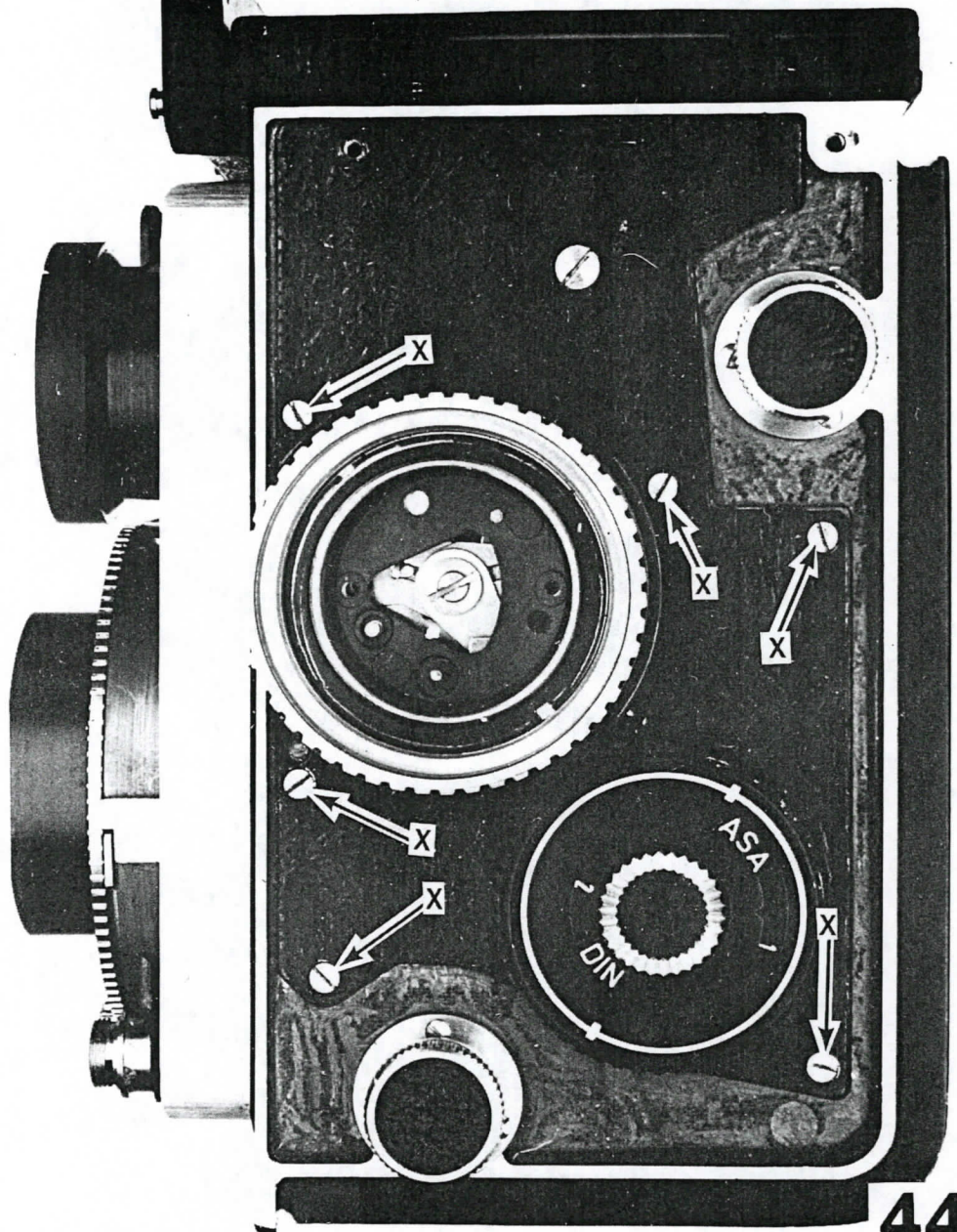


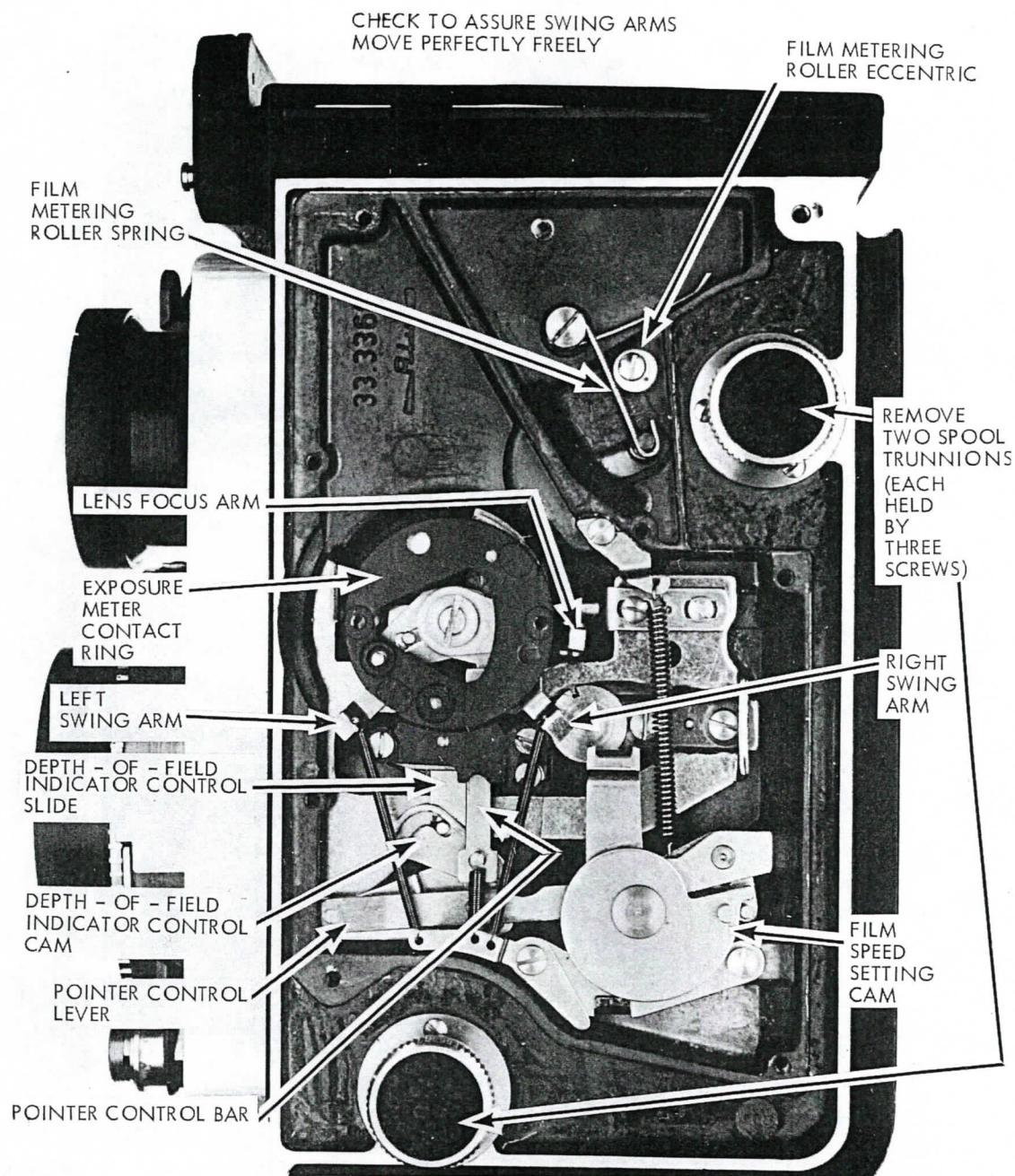
REMOVE SPACER

REMOVE
FOCUS
SIDE
LEATHER



REMOVE SIX SCREWS (INDICATED
BY X'S) AND LIFT OFF FOCUS SIDE
COVER PLATE



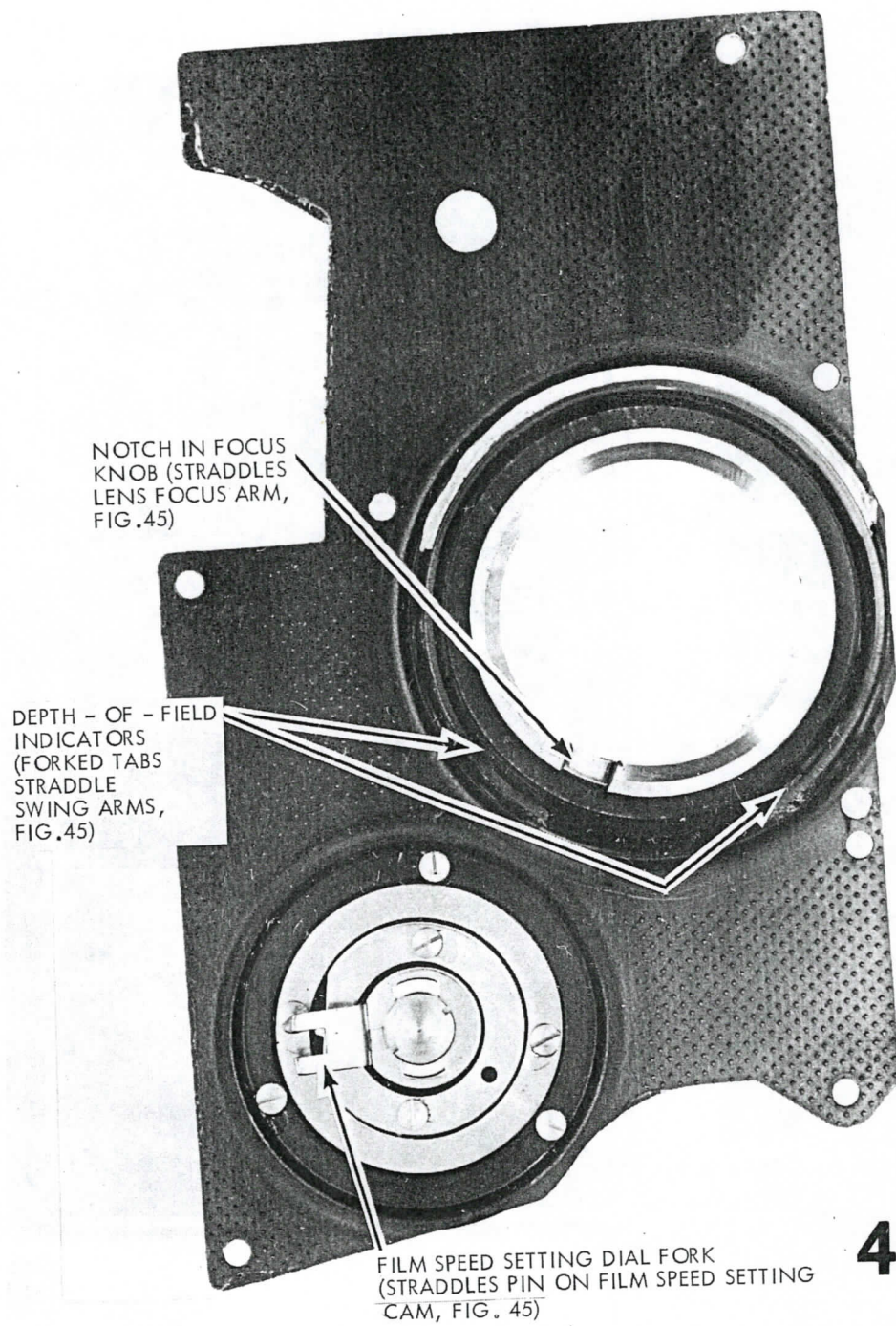


45

ADJUSTMENT OF FILM METERING ROLLER

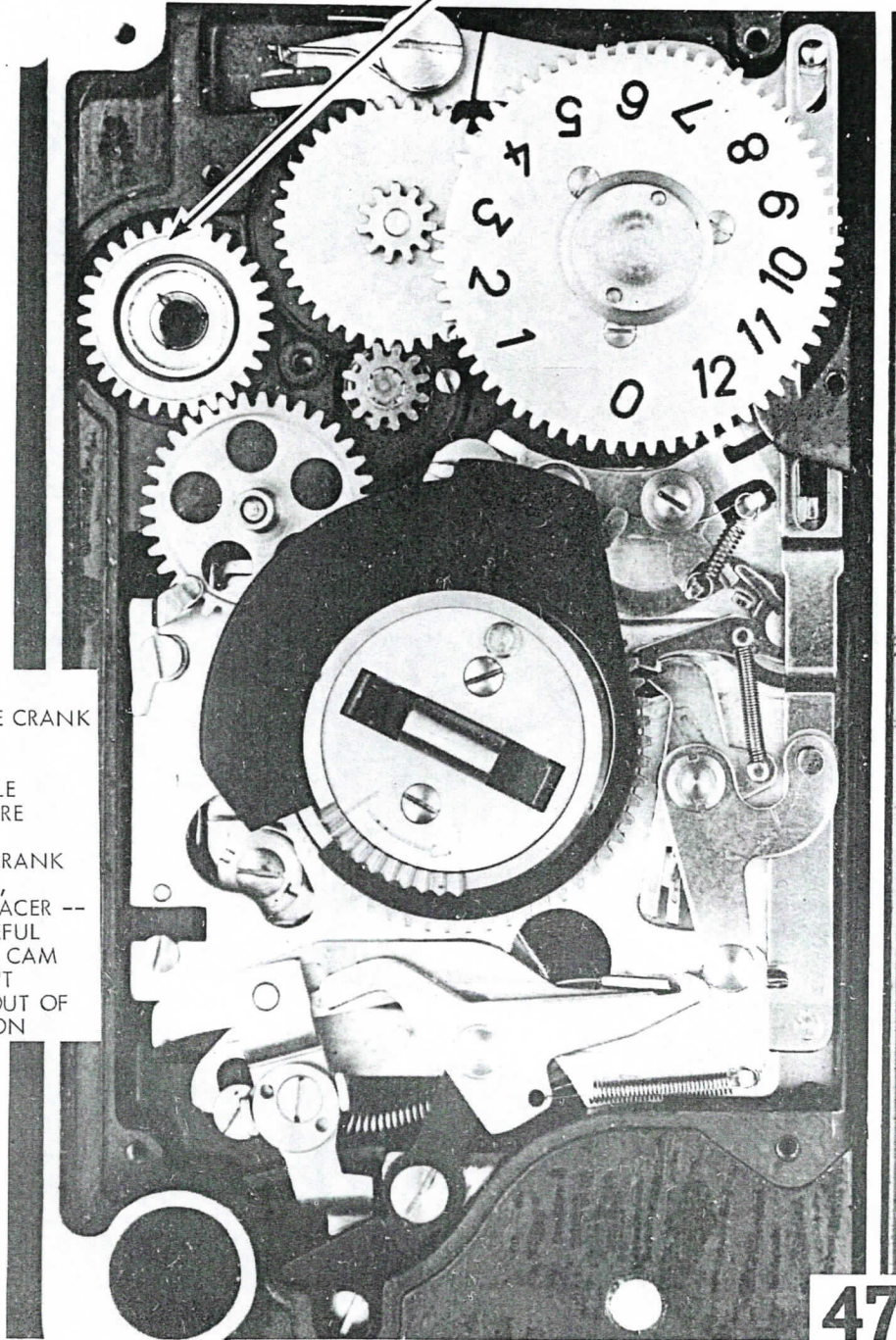
Place an empty film spool in the upper (take-up) chamber. When you advance the wind crank, the film spool should not turn the film metering roller.

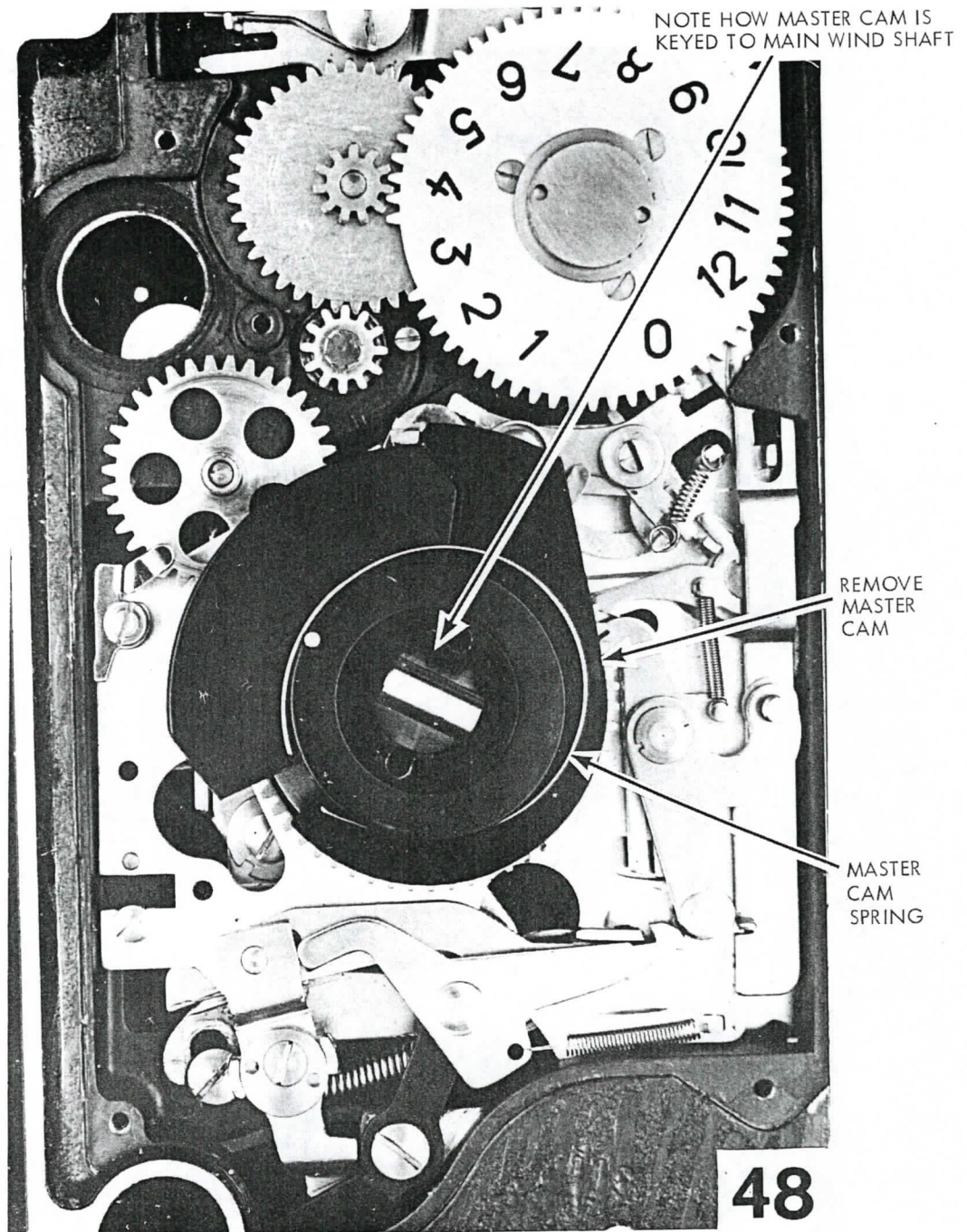
However, if you place light finger pressure on the film spool, the film metering roller should turn as you advance the wind crank. Adjustment is by turning the eccentric, Fig. 45.



1. LIFT OUT WIND KEY AND
WIND KEY GEAR

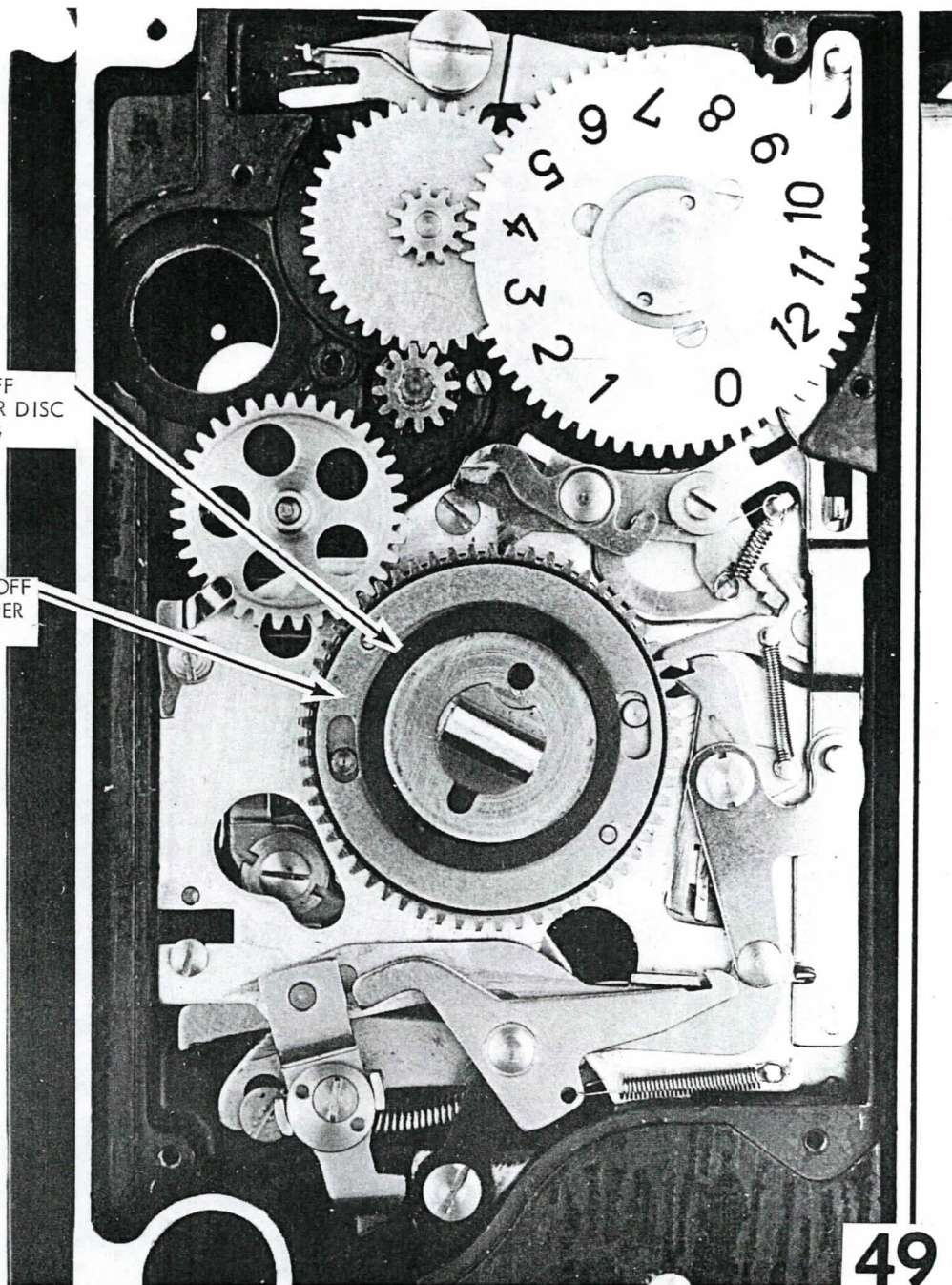
2. REMOVE CRANK
COVER
PLATE,
MULTIPLE
EXPOSURE
RING,
WIND CRANK
SPRING,
AND SPACER --
BE CAREFUL
MASTER CAM
DOESN'T
JUMP OUT OF
POSITION





1. LIFT OFF
CARRIER DISC
SPRING

2. LIFT OFF
CARRIER
DISC

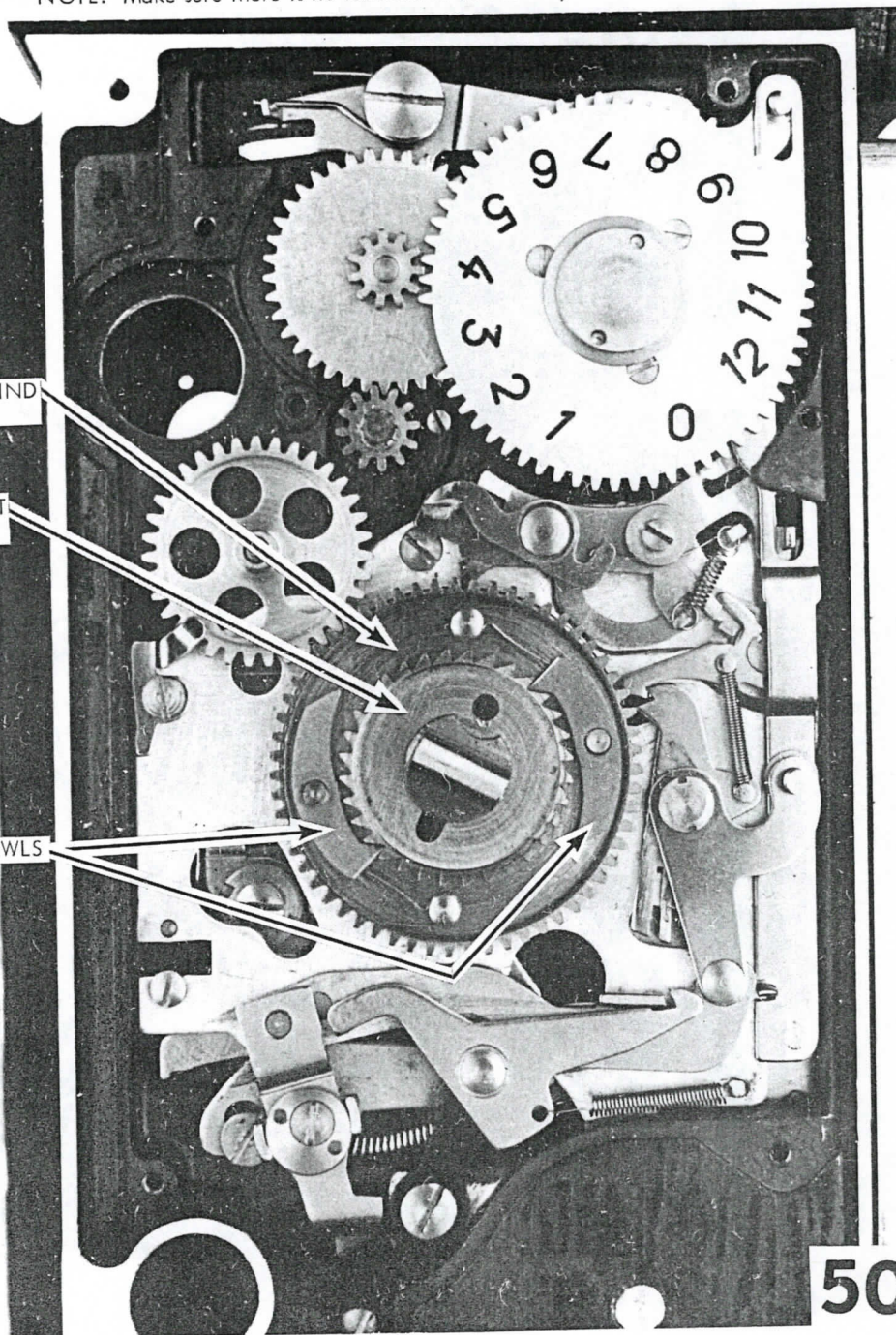


NOTE: Make sure there is no lubrication in one-way clutch.

MAIN WIND
GEAR

RATCHET
GEAR

DRIVE PAWLS

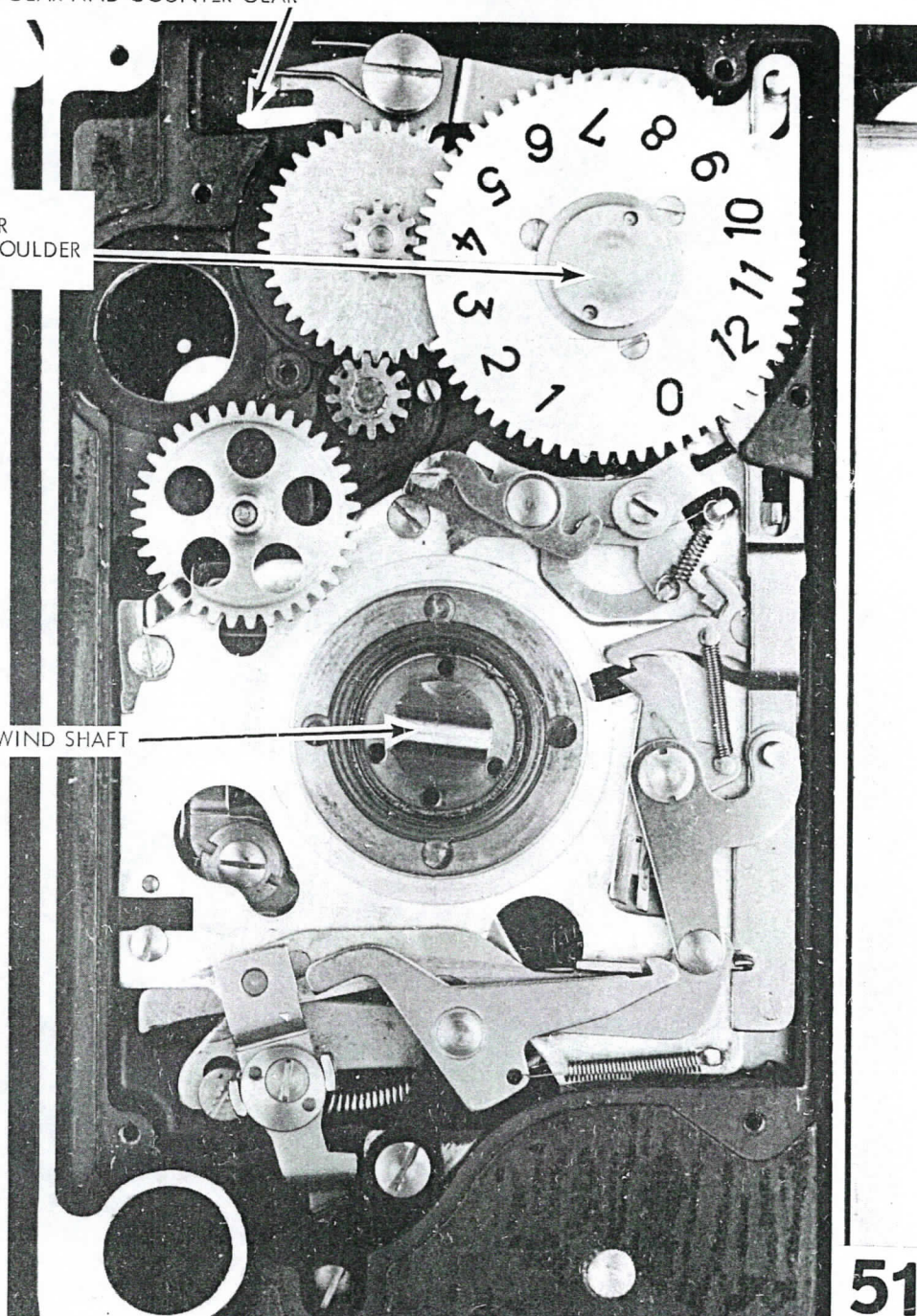


LIFT OUT MAIN WIND GEAR AND ONE-WAY
CLUTCH PARTS AS ONE ASSEMBLY

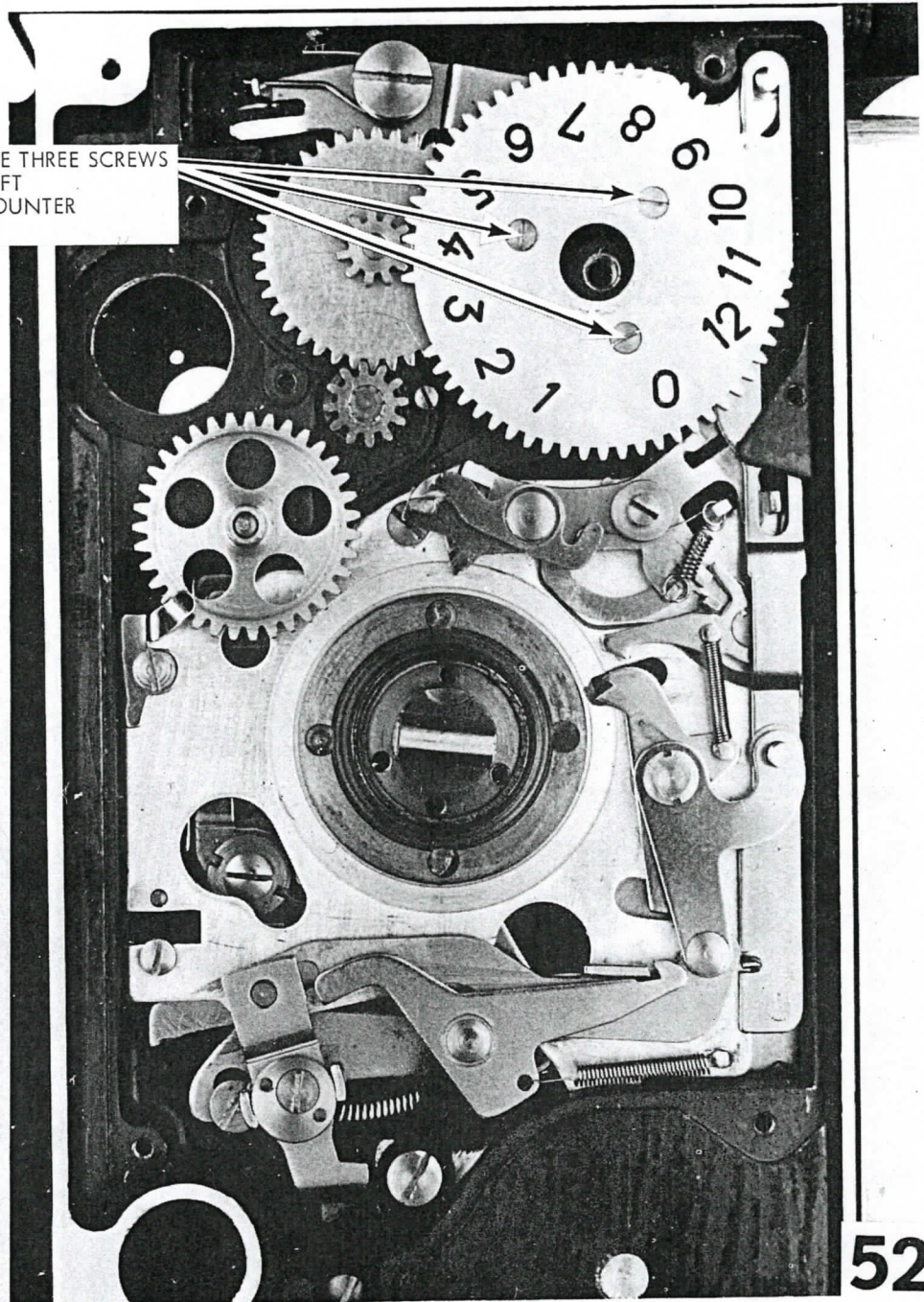
STOP LUG OF UPPER FILM METERING IDLER GEAR LINK SHOULD
BE FORMED FOR FULL ENGAGEMENT BETWEEN FILM METERING
IDLER GEAR AND COUNTER GEAR

REMOVE
COUNTER
GEAR SHOULDER
SCREW

MAIN WIND SHAFT



REMOVE THREE SCREWS
AND LIFT
OFF COUNTER
GEAR



LIFT OFF FILM METERING
IDLER GEAR

FILM METERING CAM SPRING

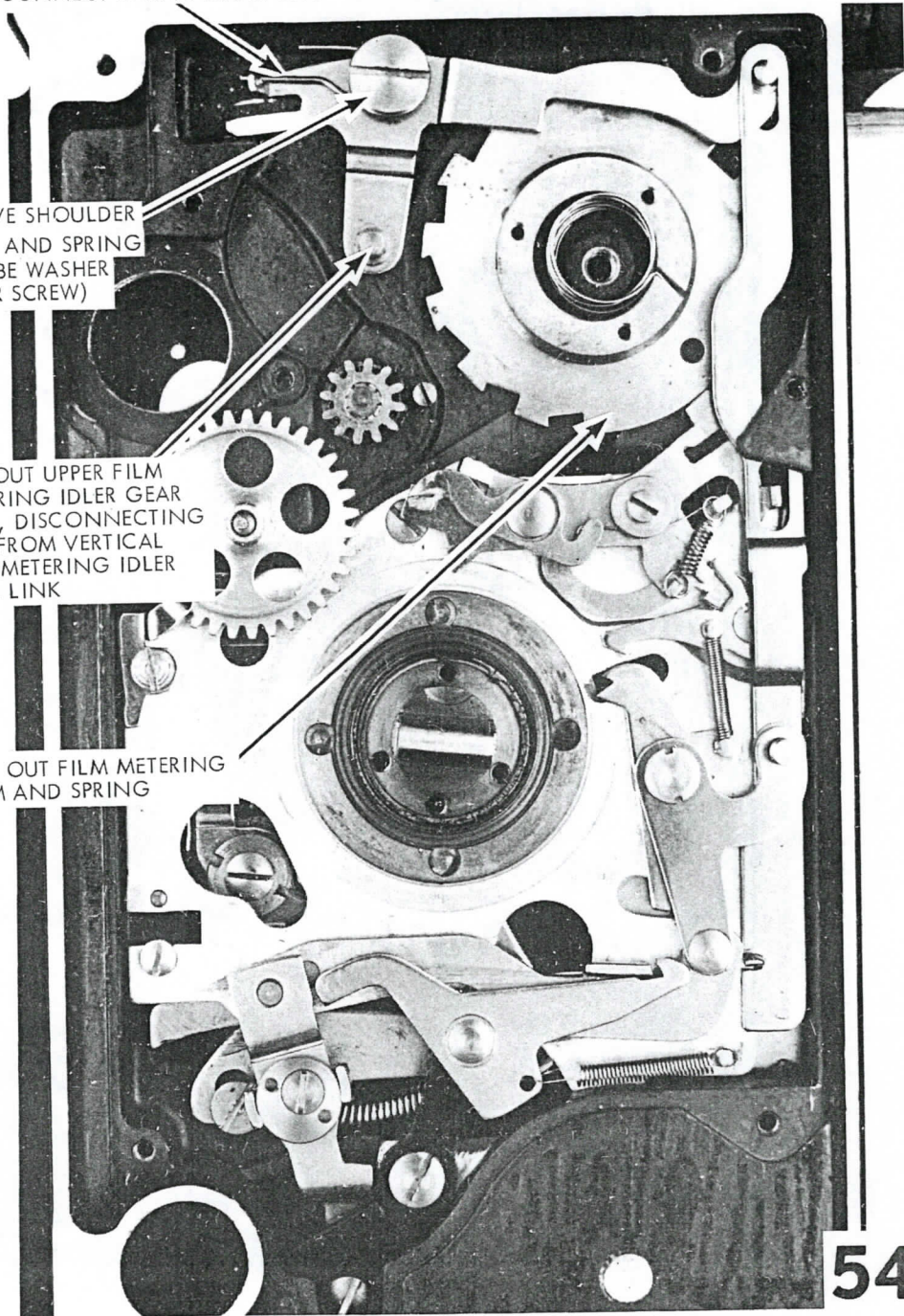
FILM METERING CAM

1. DISCONNECT SPRING FROM UPPER FILM METERING IDLER GEAR LINK

2. REMOVE SHOULDER
SCREW AND SPRING
(MAY BE WASHER
UNDER SCREW)

3. LIFT OUT UPPER FILM
METERING IDLER GEAR
LINK, DISCONNECTING
END FROM VERTICAL
FILM METERING IDLER
GEAR LINK

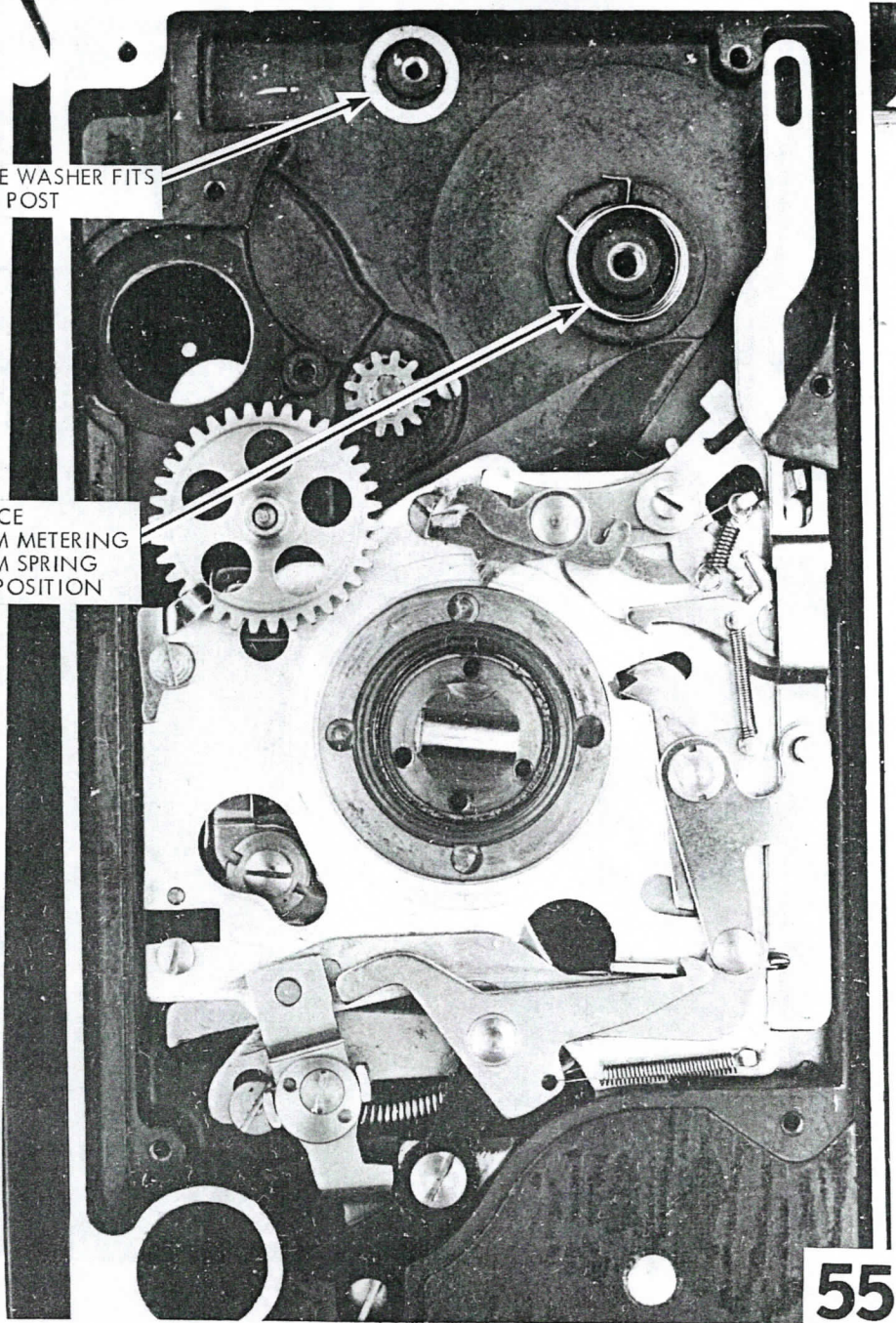
4. LIFT OUT FILM METERING
CAM AND SPRING



FIGURES 55 THROUGH 59 SHOW REASSEMBLY PROCEDURE
FOR COUNTER GEAR

LARGE WASHER FITS
OVER POST

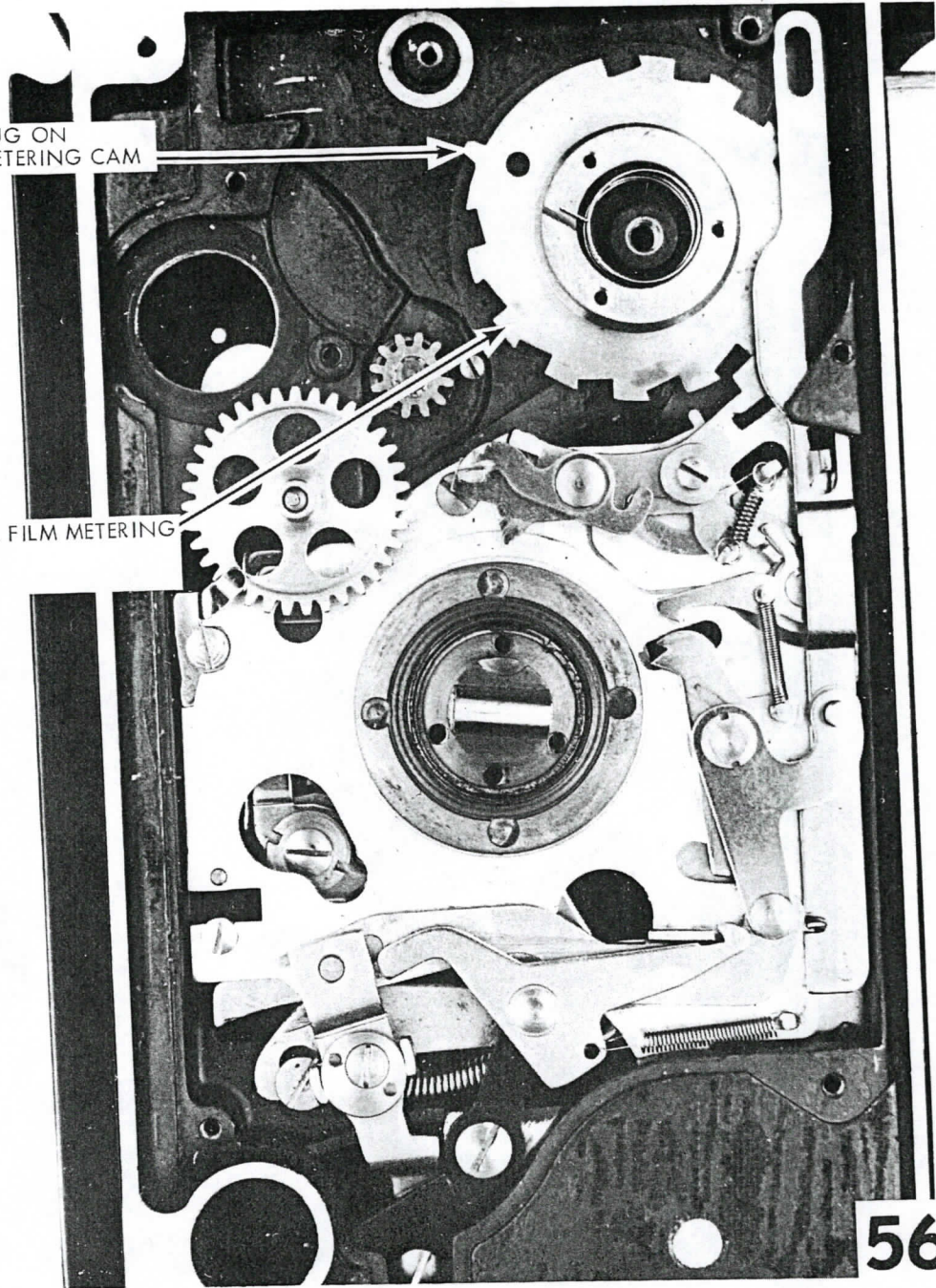
PLACE
FILM METERING
CAM SPRING
IN POSITION



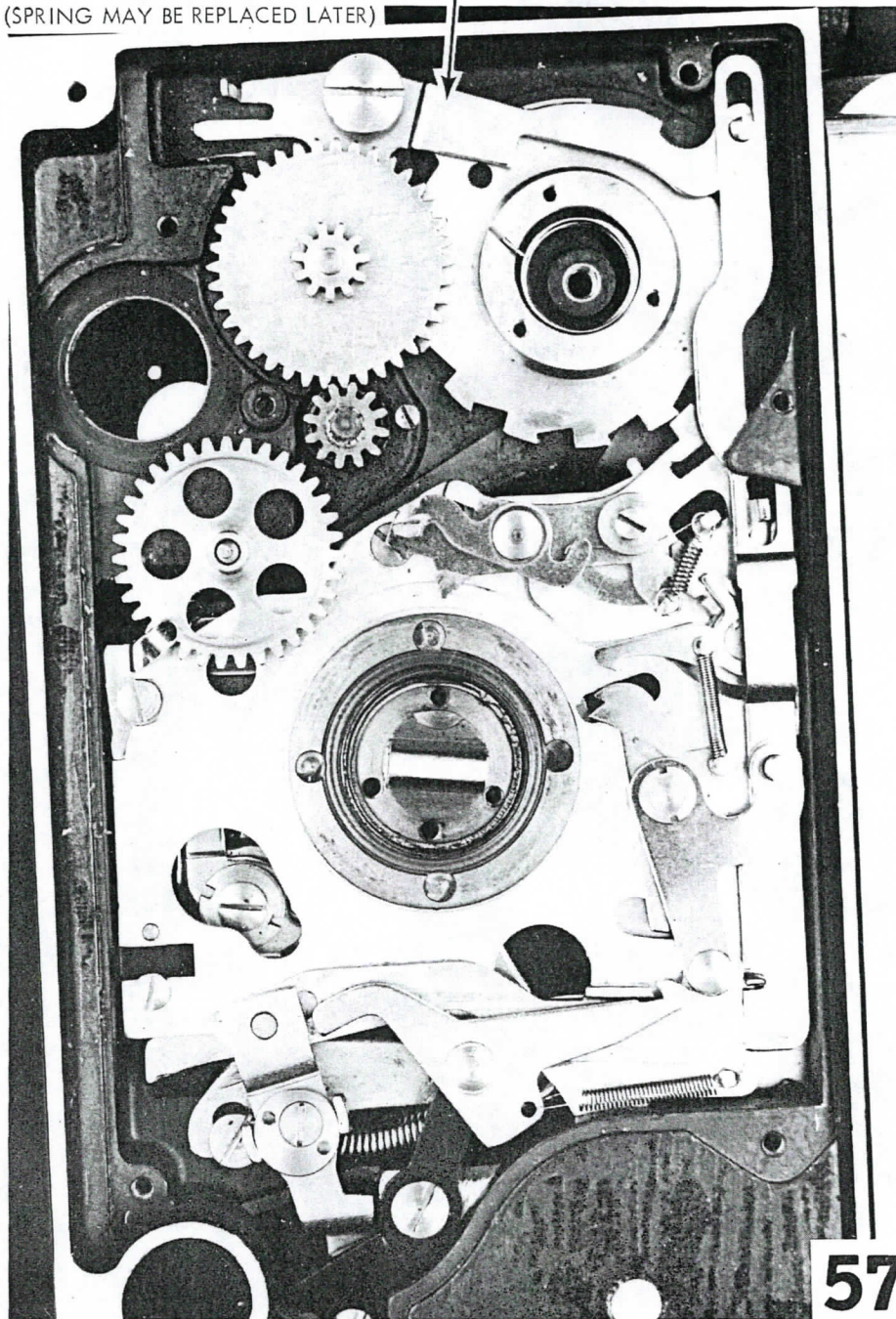
55

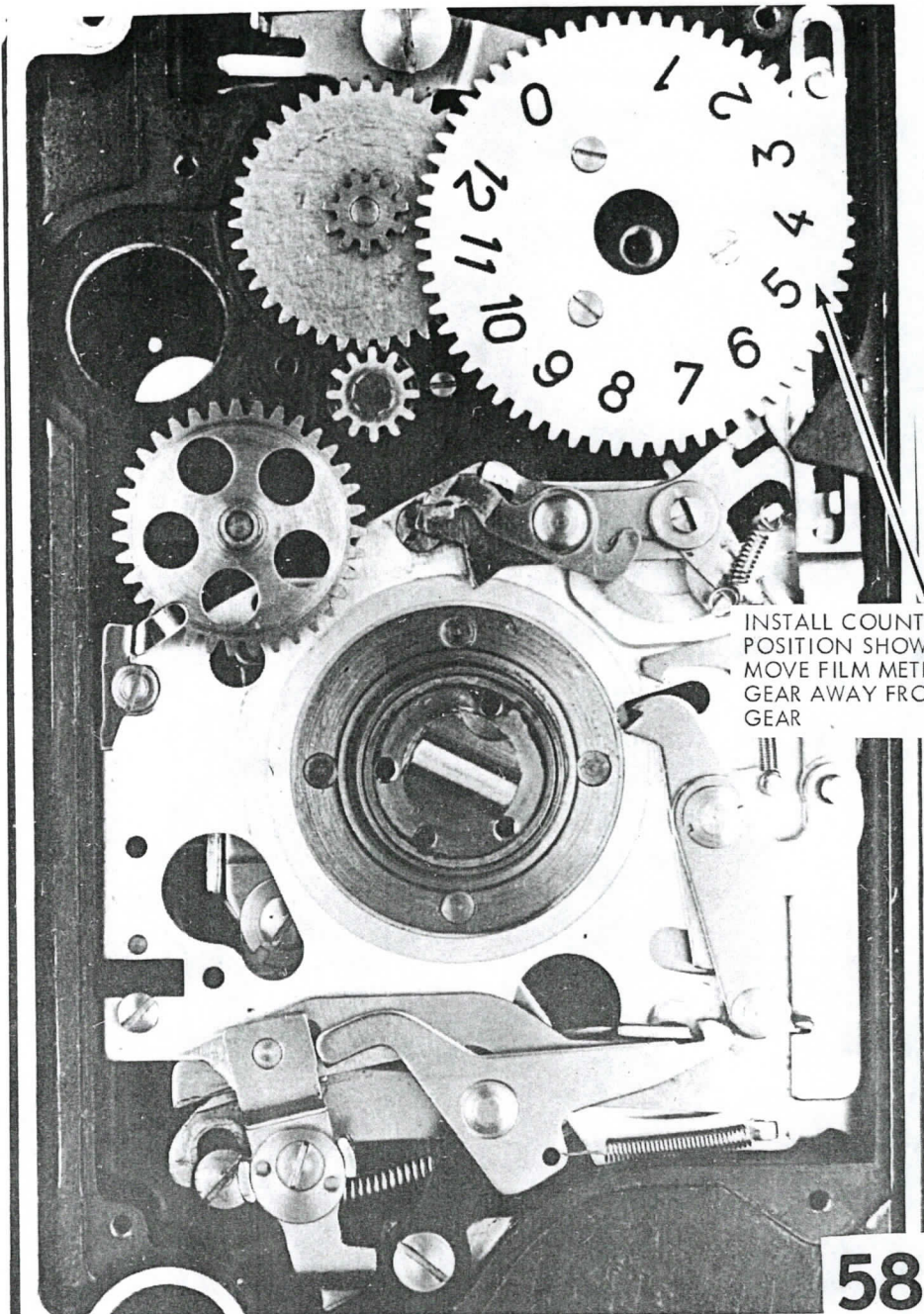
STOP LUG ON
FILM METERING CAM

INSTALL FILM METERING
CAM AS
SHOWN

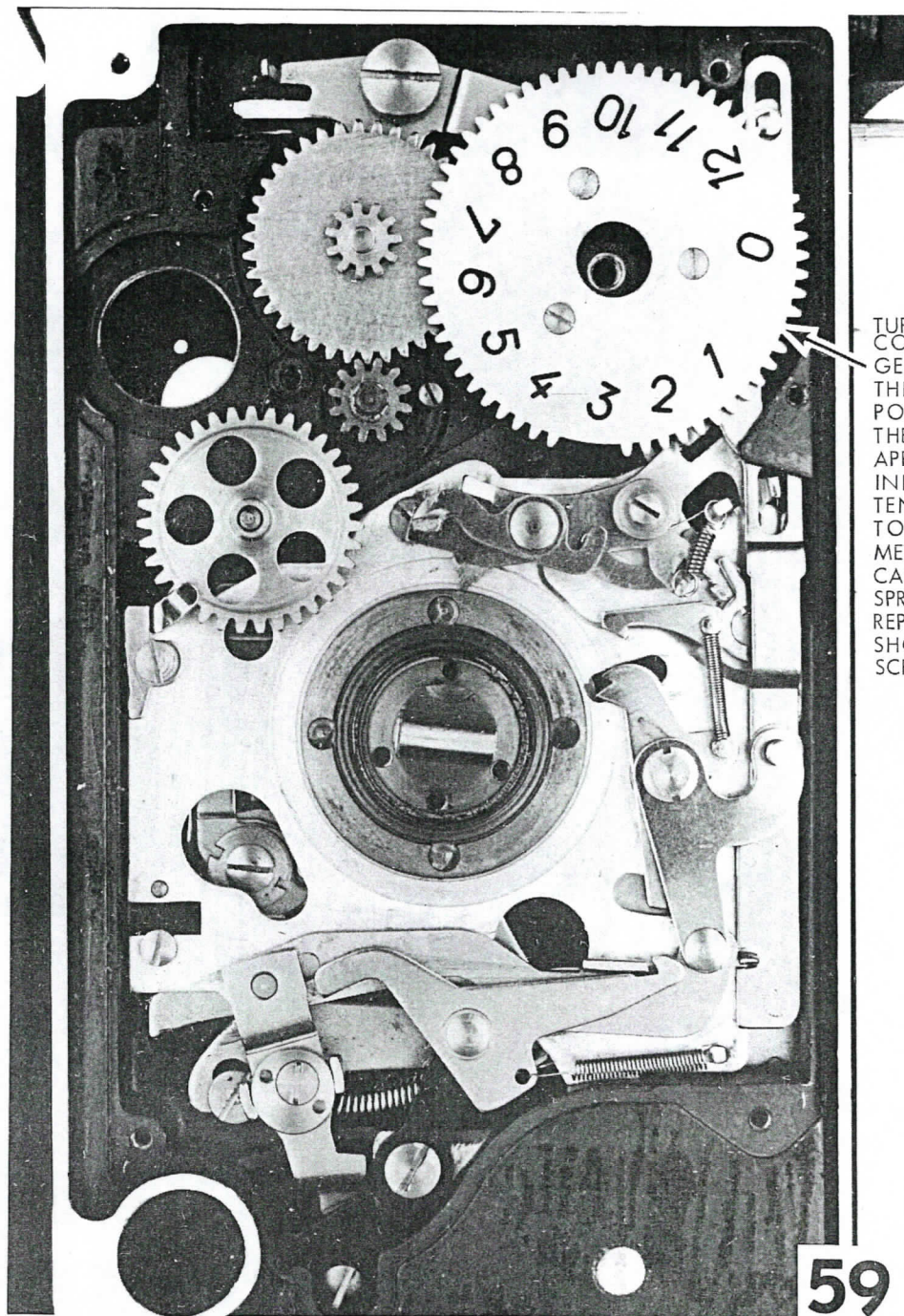


INSTALL UPPER FILM METERING IDLER GEAR LINK,
SCREW, AND FILM METERING IDLER GEAR
(SPRING MAY BE REPLACED LATER)





INSTALL COUNTER GEAR IN
POSITION SHOWN --
MOVE FILM METERING IDLER
GEAR AWAY FROM COUNTER
GEAR



TURN
COUNTER
GEAR TO
THIS
POSITION,
THEREBY
APPLYING
INITIAL
TENSION
TO FILM
METERING
CAM
SPRING -
REPLACE
SHOULDER
SCREW



ECCENTRIC
ADJUSTMENT
FOR SHUTTER
WIND
LEVER
CONTROL
CAM

SHUTTER WIND
LEVER



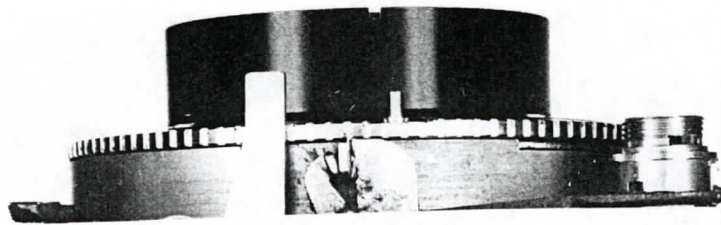
NOTE THAT
PIN ON
FILM THICKNESS
FEELER LEVER
FITS IN SLOT
IN LOWER
FILM METERING
IDLER GEAR
LINK

1. DISCONNECT
AND REMOVE
SPRING
FOR
FILM
METERING
DISENGAGEMENT
LINK

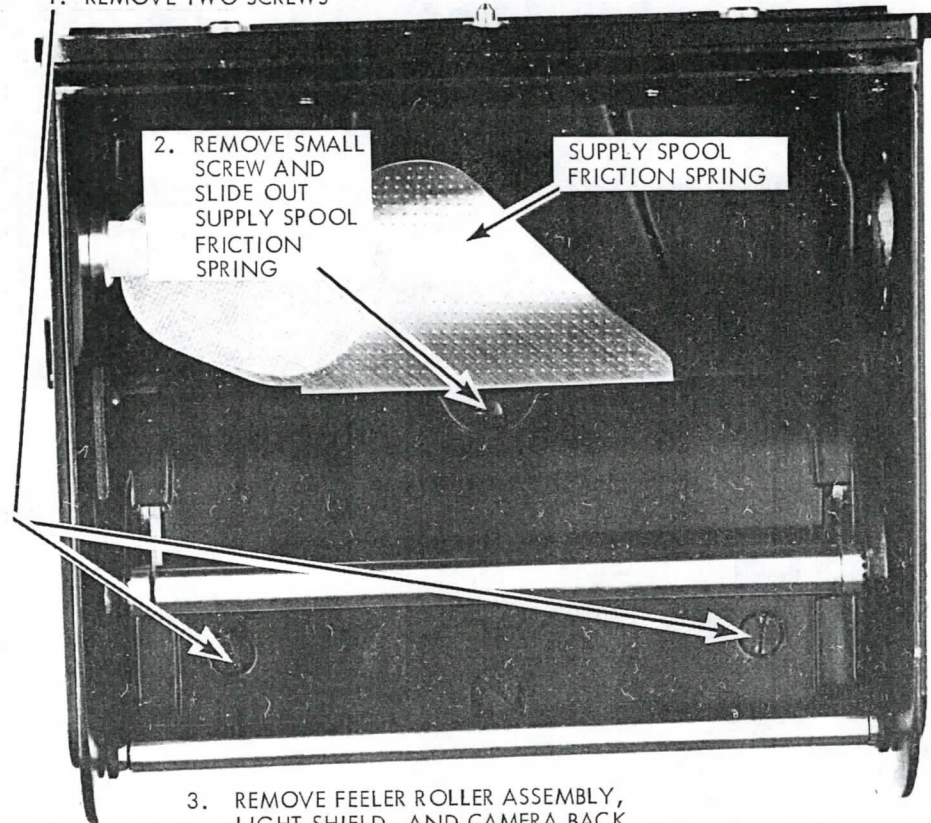
2. REMOVE
CAMERA
BACK
SENSOR
LEVER
SHOULDER
SCREW

NOTE POSITION OF LIGHT
SHIELD

61



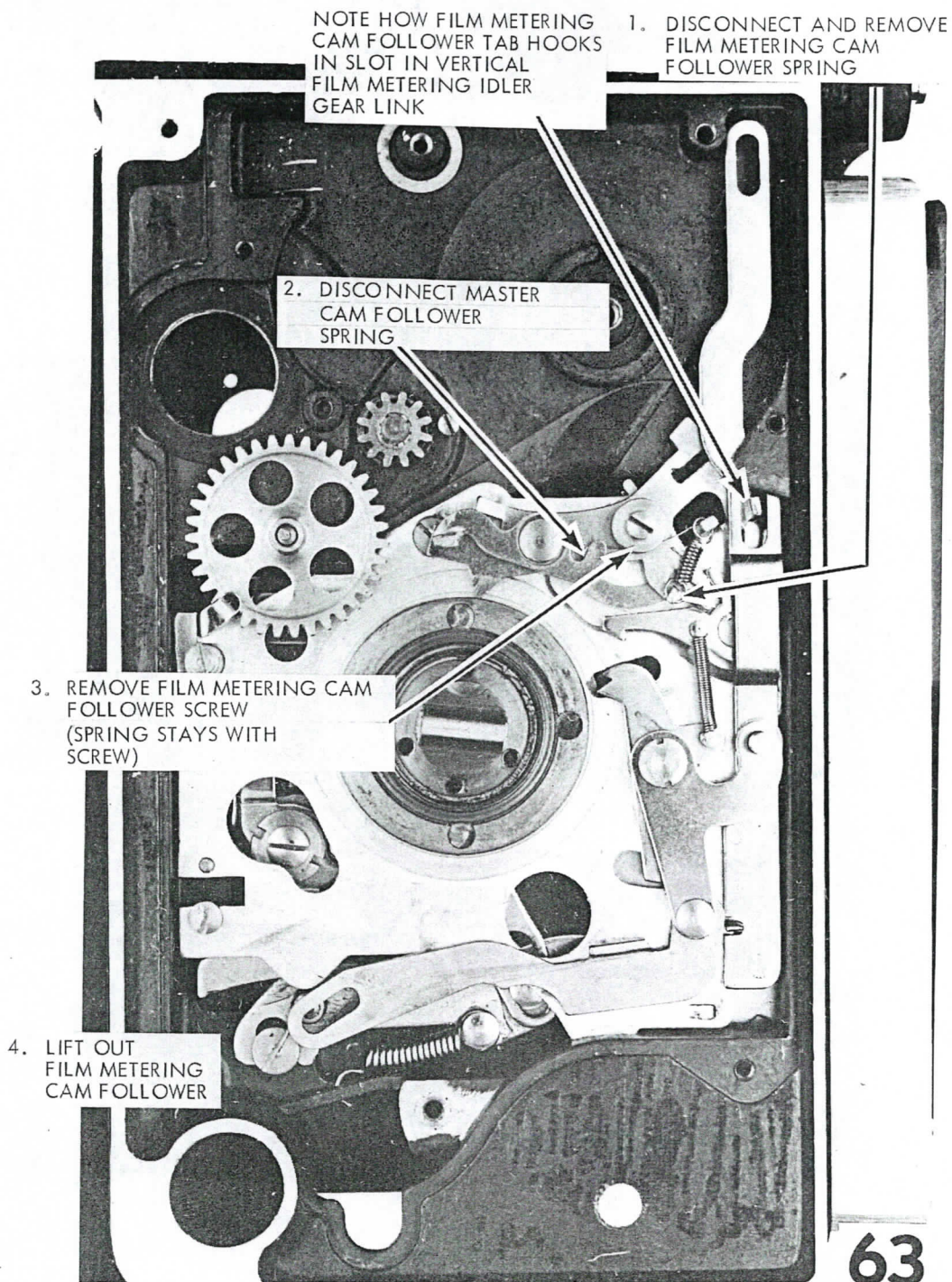
1. REMOVE TWO SCREWS



2. REMOVE SMALL
SCREW AND
SLIDE OUT
SUPPLY SPOOL
FRICTION
SPRING

SUPPLY SPOOL
FRICTION SPRING

3. REMOVE FEELER ROLLER ASSEMBLY,
LIGHT SHIELD, AND CAMERA BACK
SENSOR LEVER WITH FILM METERING
DISENGAGEMENT LINK -- ALL AS
ONE UNIT



1. REMOVE
SCREW AND RETAINER

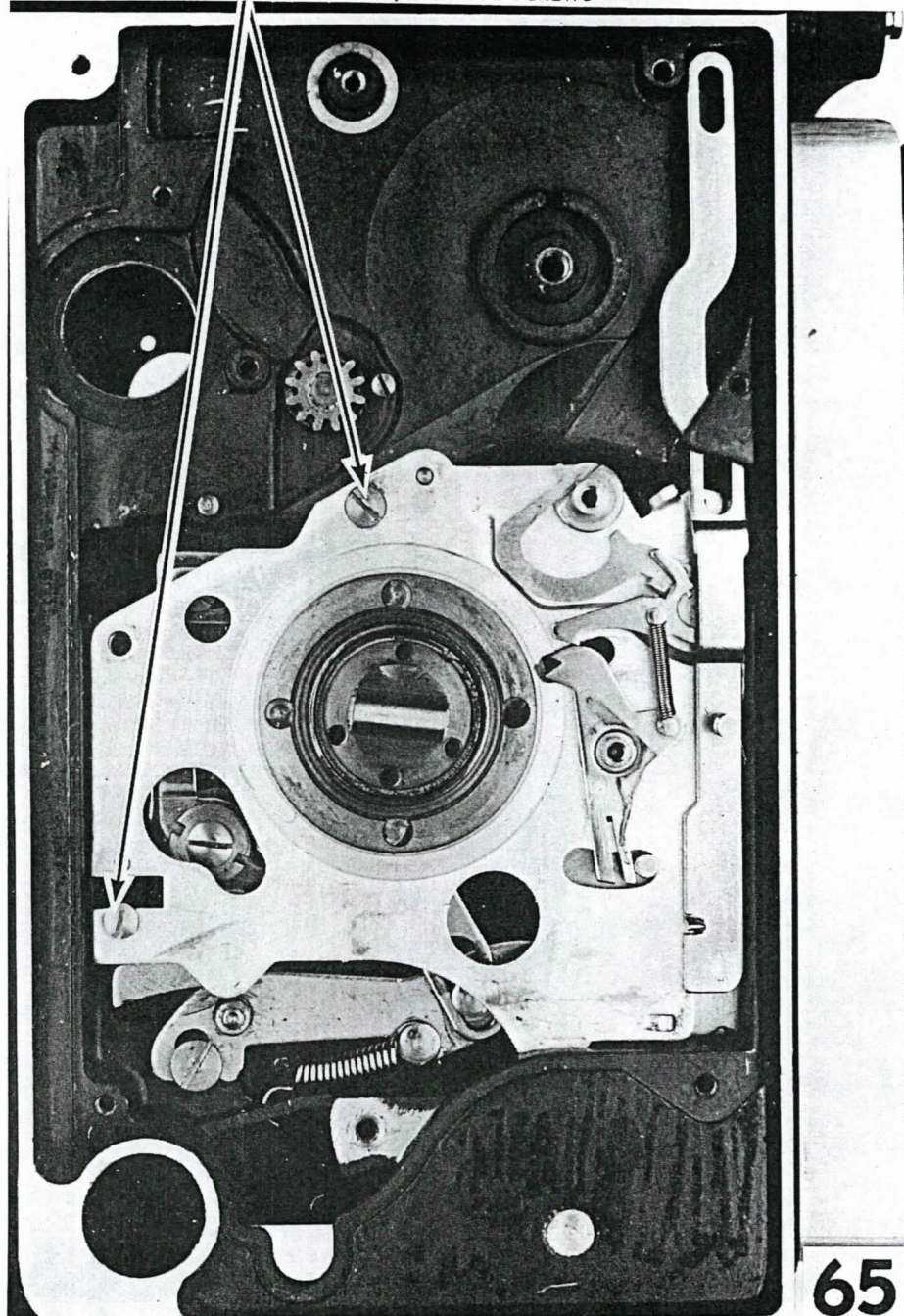
2. LIFT OUT
WIND IDLER

220
CONTROL
LEVER

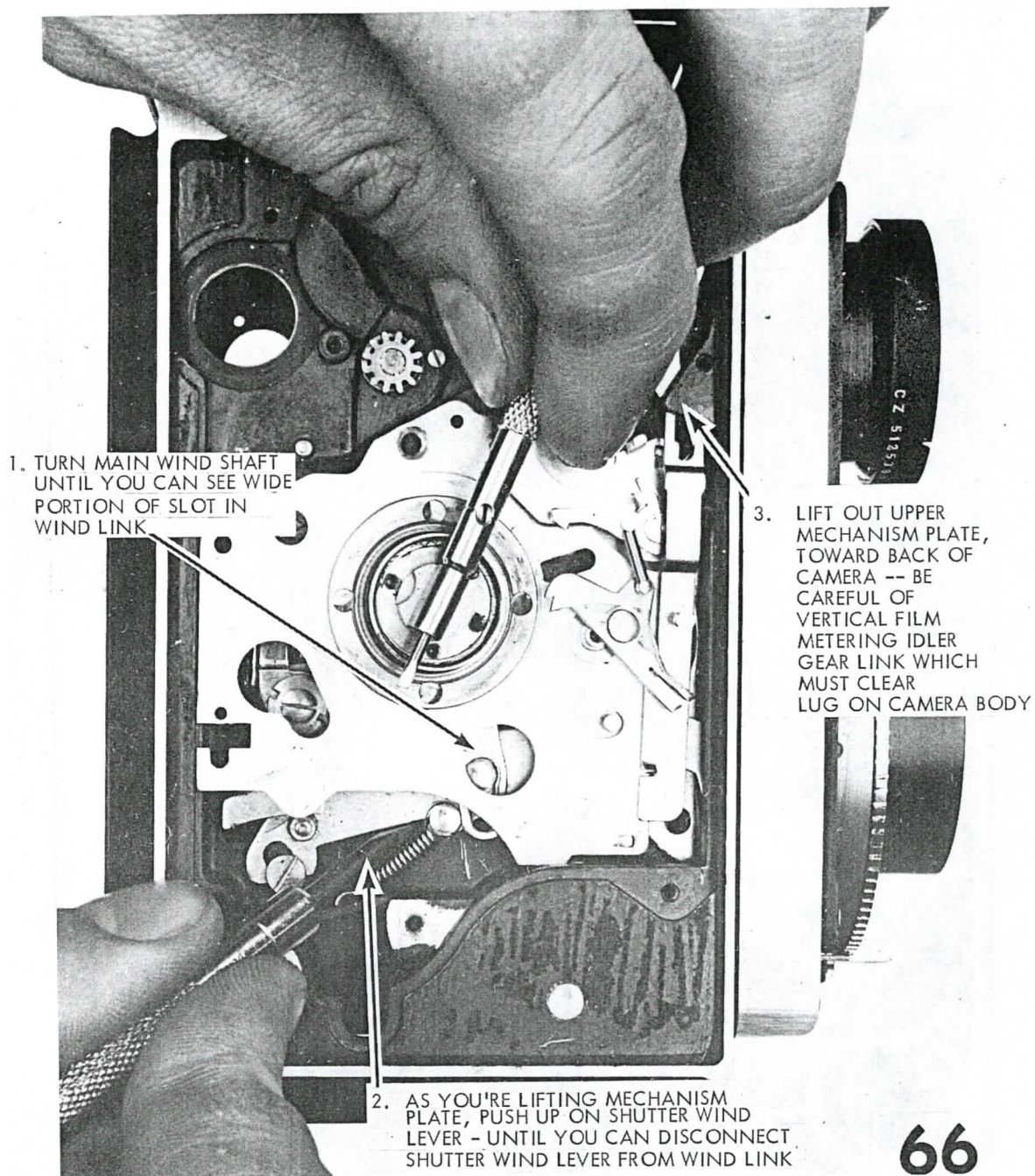
3. REMOVE
SCREW
AND LIFT
OUT
BELL CRANK
TOGETHER
WITH
LOWER
FILM
METERING
IDLER
GEAR
LINK

WASHER
UNDER
BELL CRANK
HERE

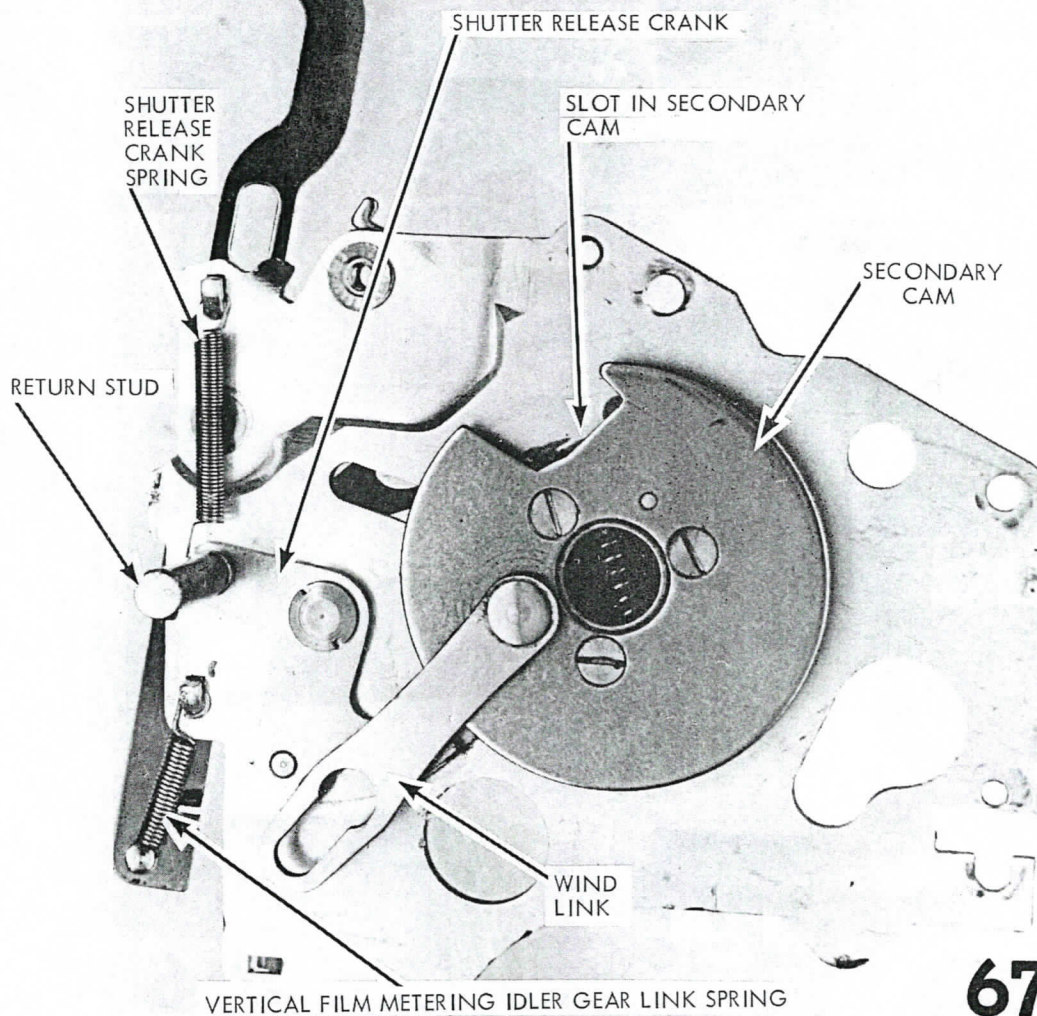
NOTE DIFFERENCE BETWEEN TWO REMAINING MECHANISM
PLATE RETAINING SCREWS - THEN, REMOVE SCREWS

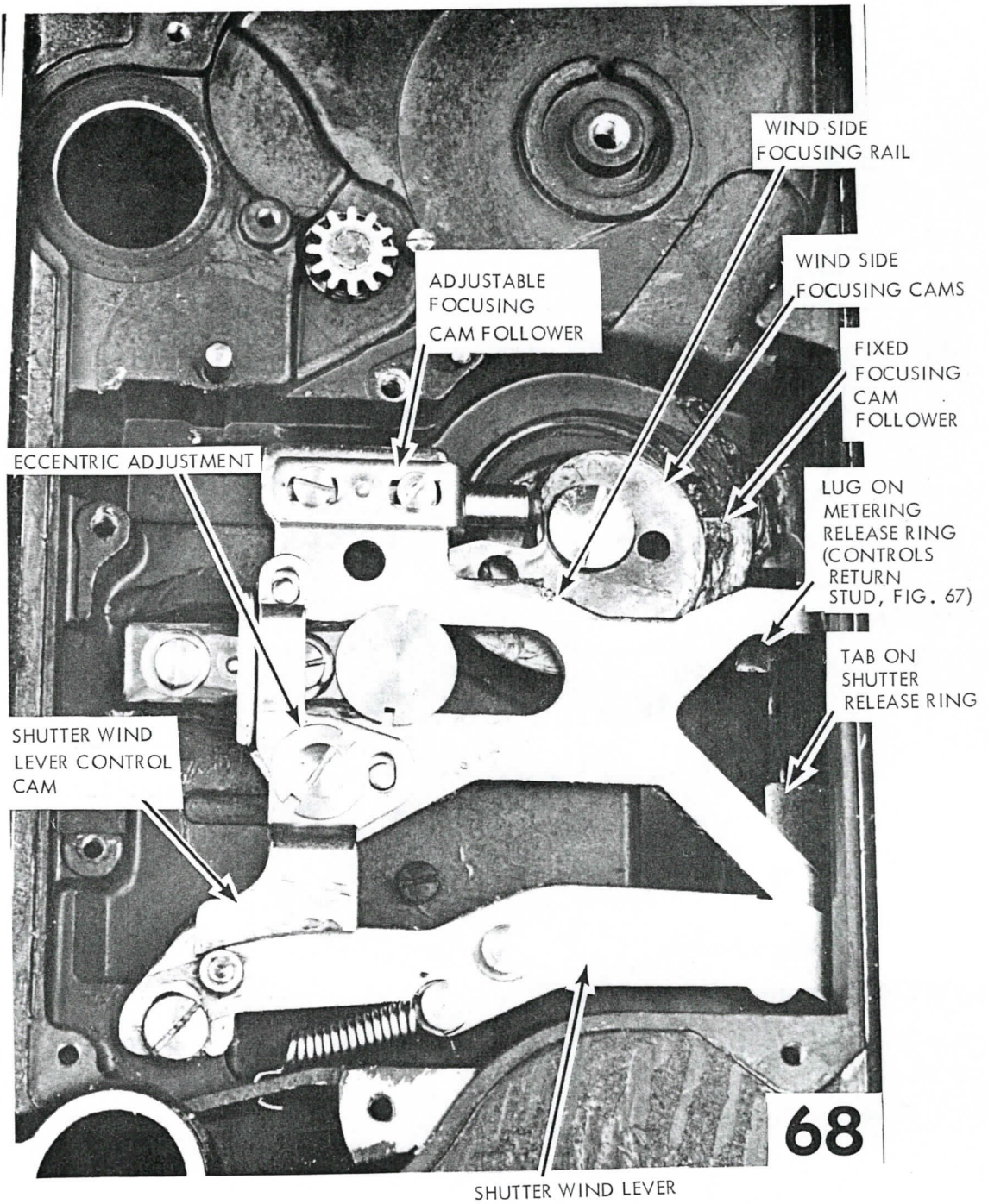


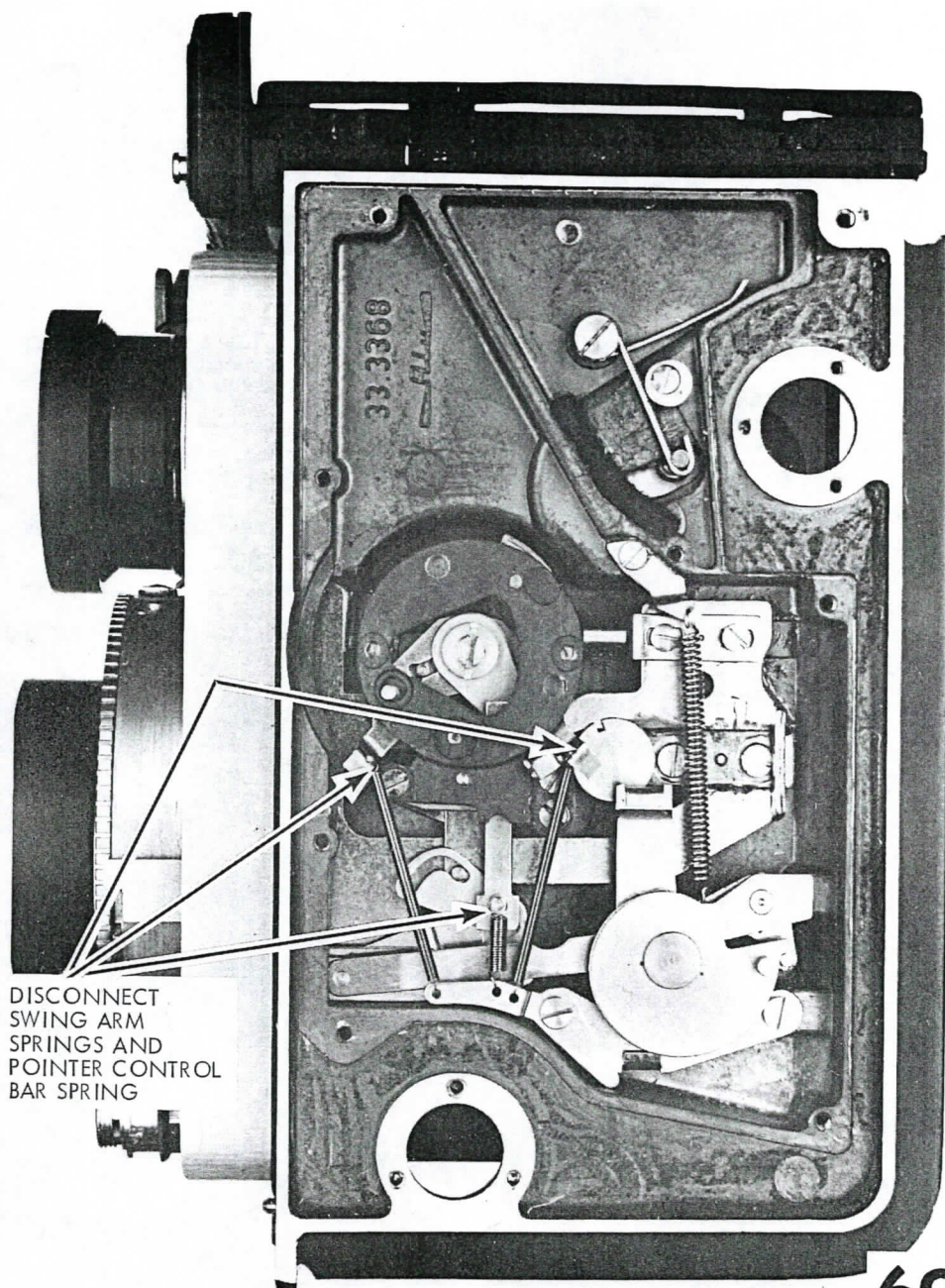
PROCEDURE FOR REMOVING MECHANISM PLATE



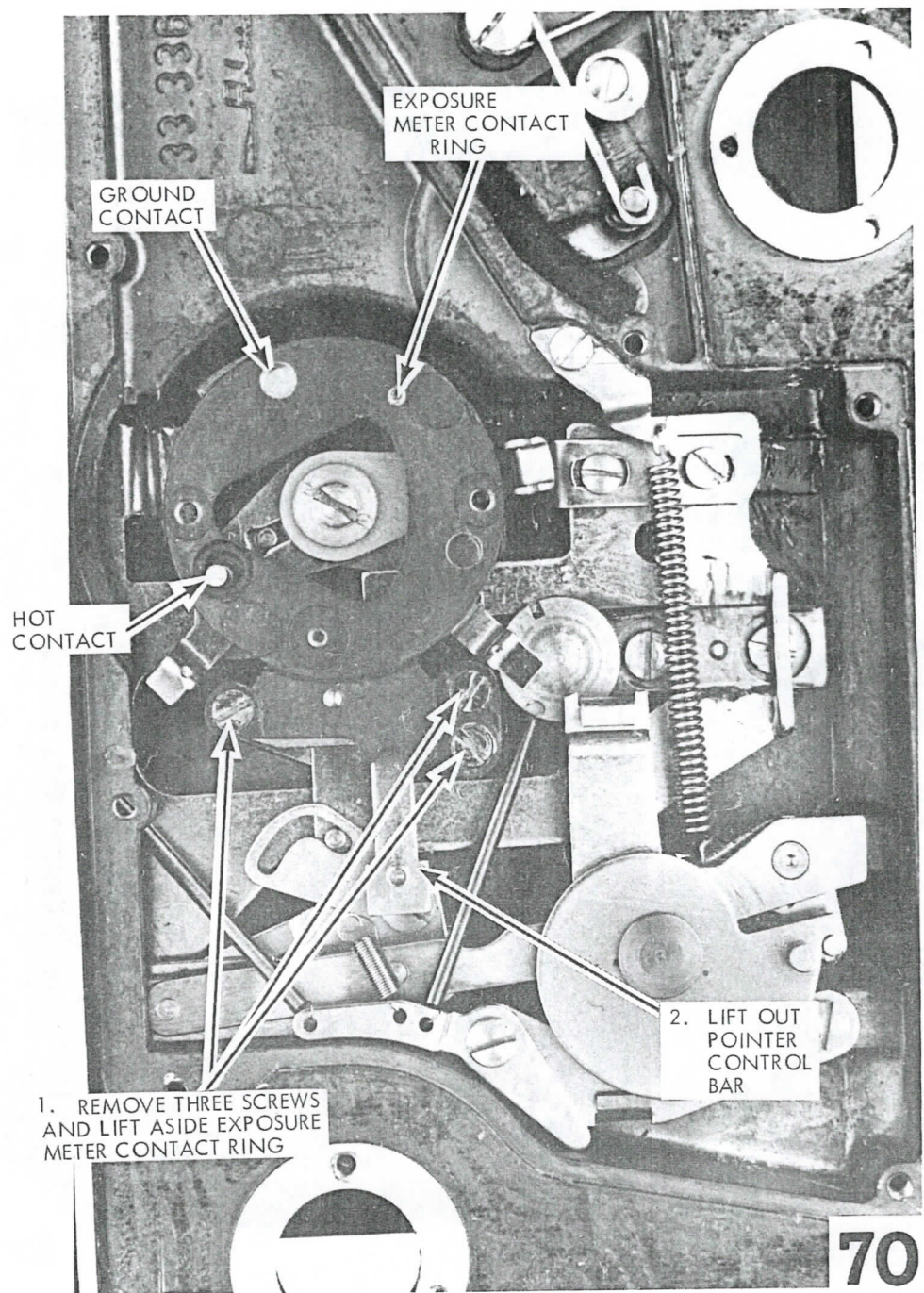
END OF SHUTTER RELEASE CRANK
MUST ALIGN WITH SLOT IN SECONDARY
CAM BEFORE RELEASE BUTTON
MAY BE DEPRESSED - NOTCH IN
SECONDARY CAM FACES SHUTTER
RELEASE CRANK WHEN WIND CRANK
IS TURNED TO POSITION SHOWN
IN FIGURE 29

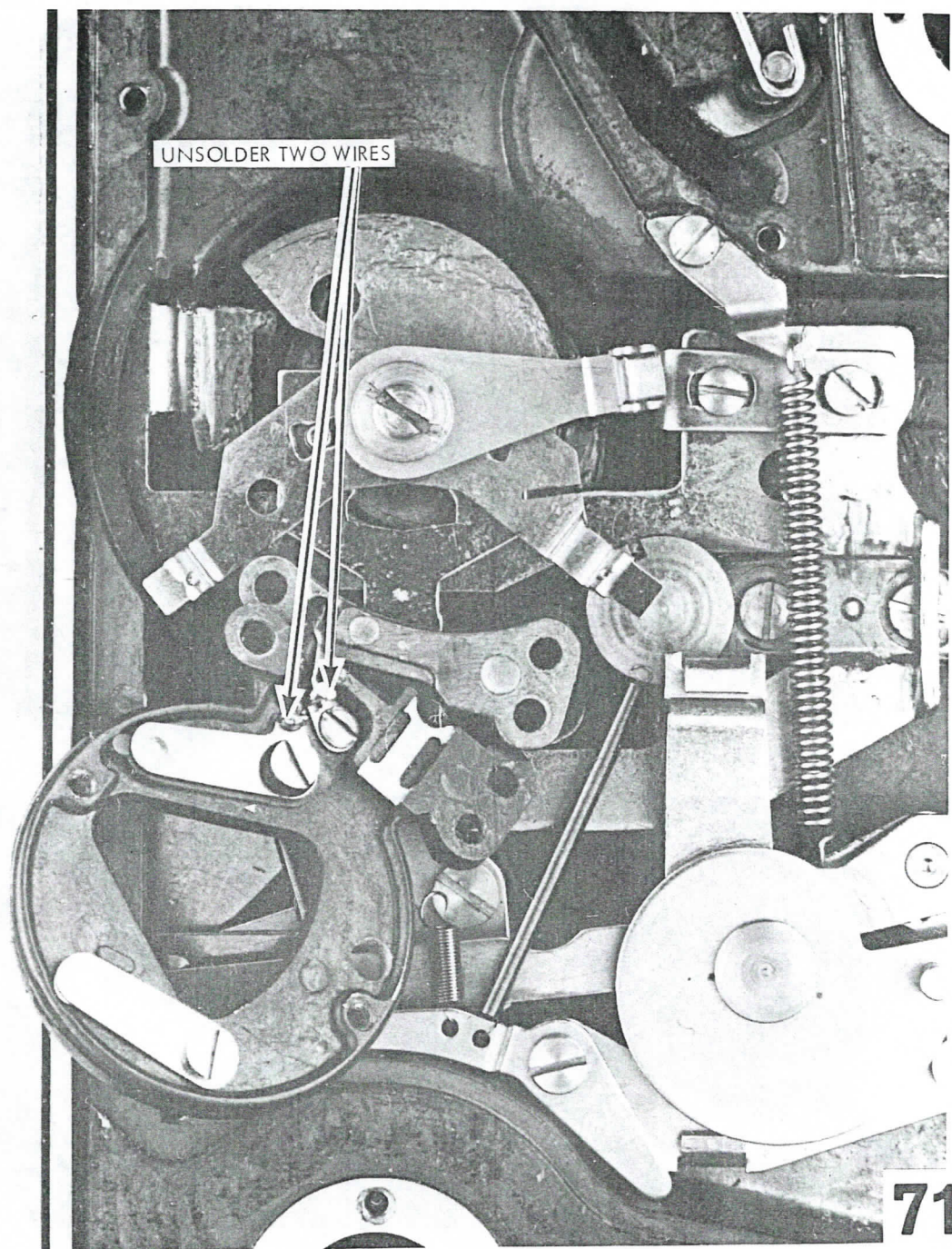




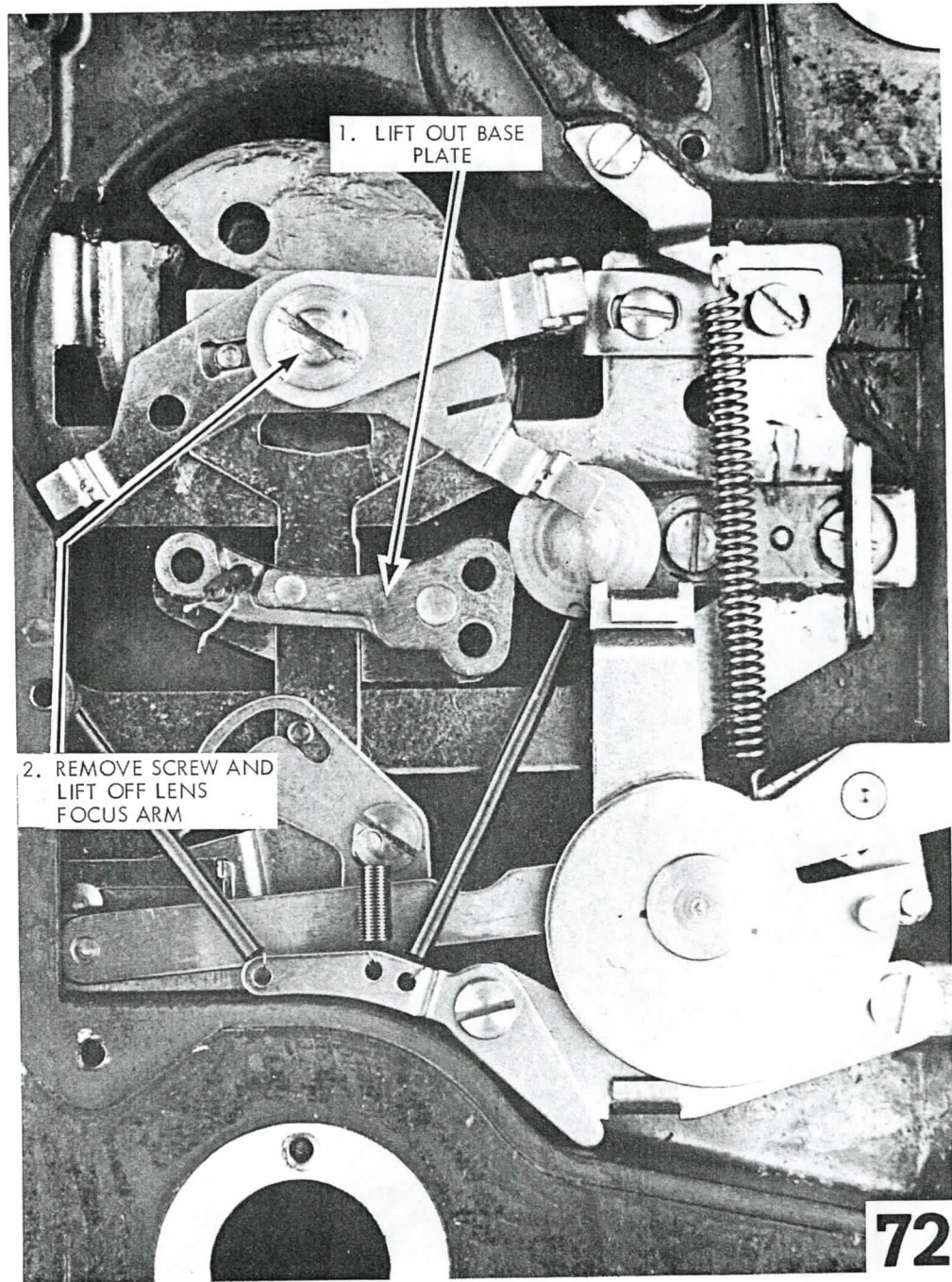


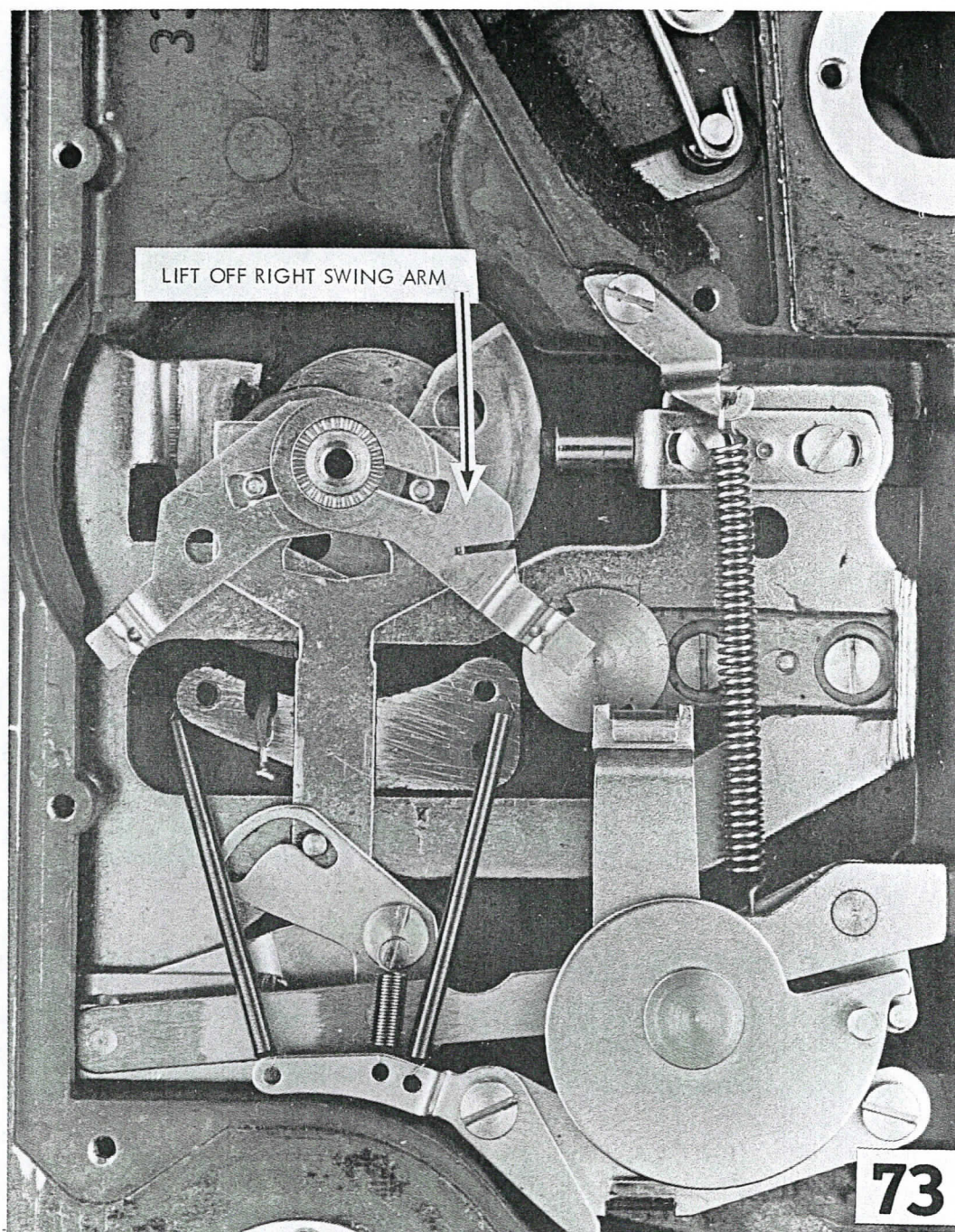
DISCONNECT
SWING ARM
SPRINGS AND
POINTER CONTROL
BAR SPRING

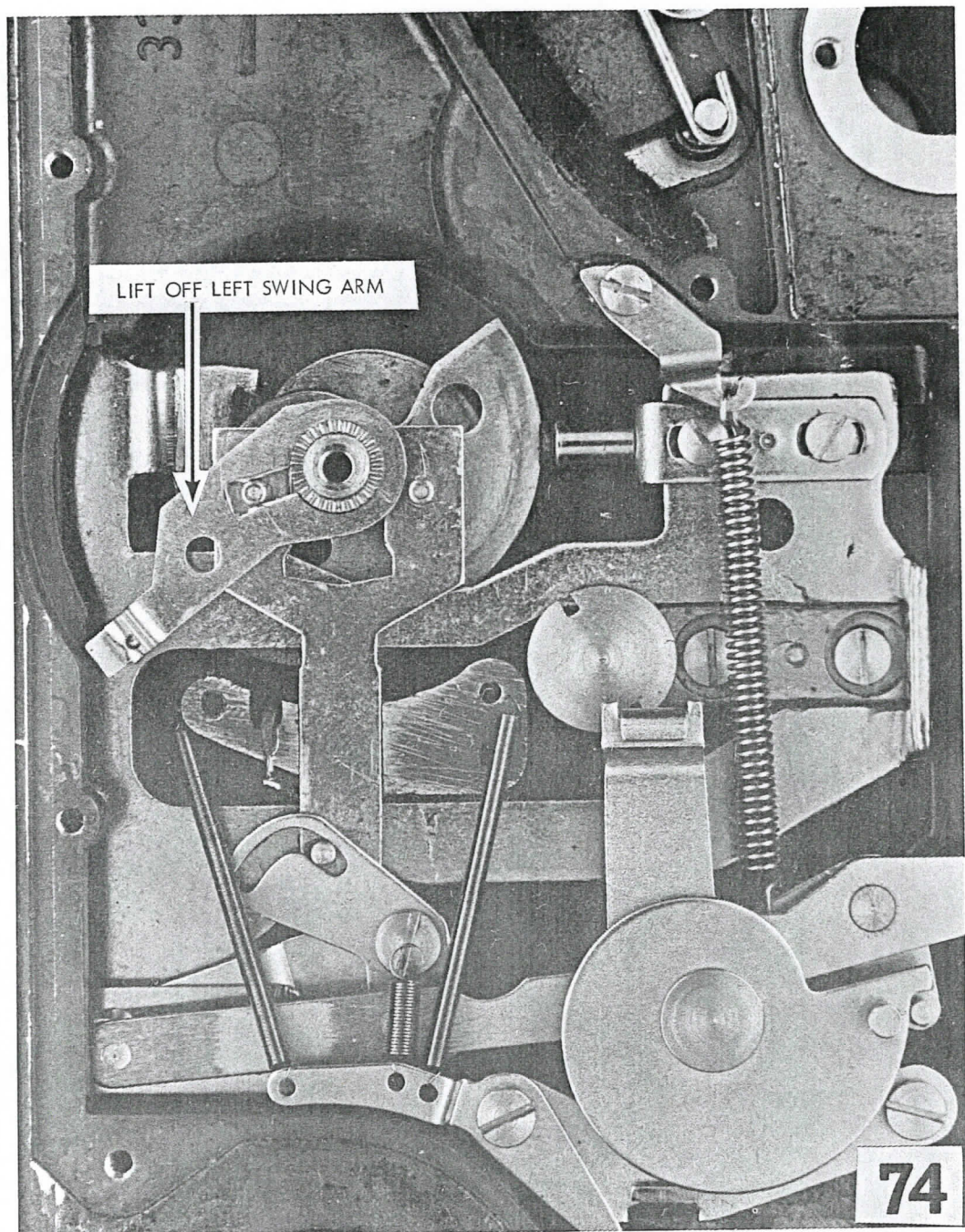




RED WIRE GOES TO HOT CONTACT,
BARE WIRE GOES TO GROUND CONNECTOR

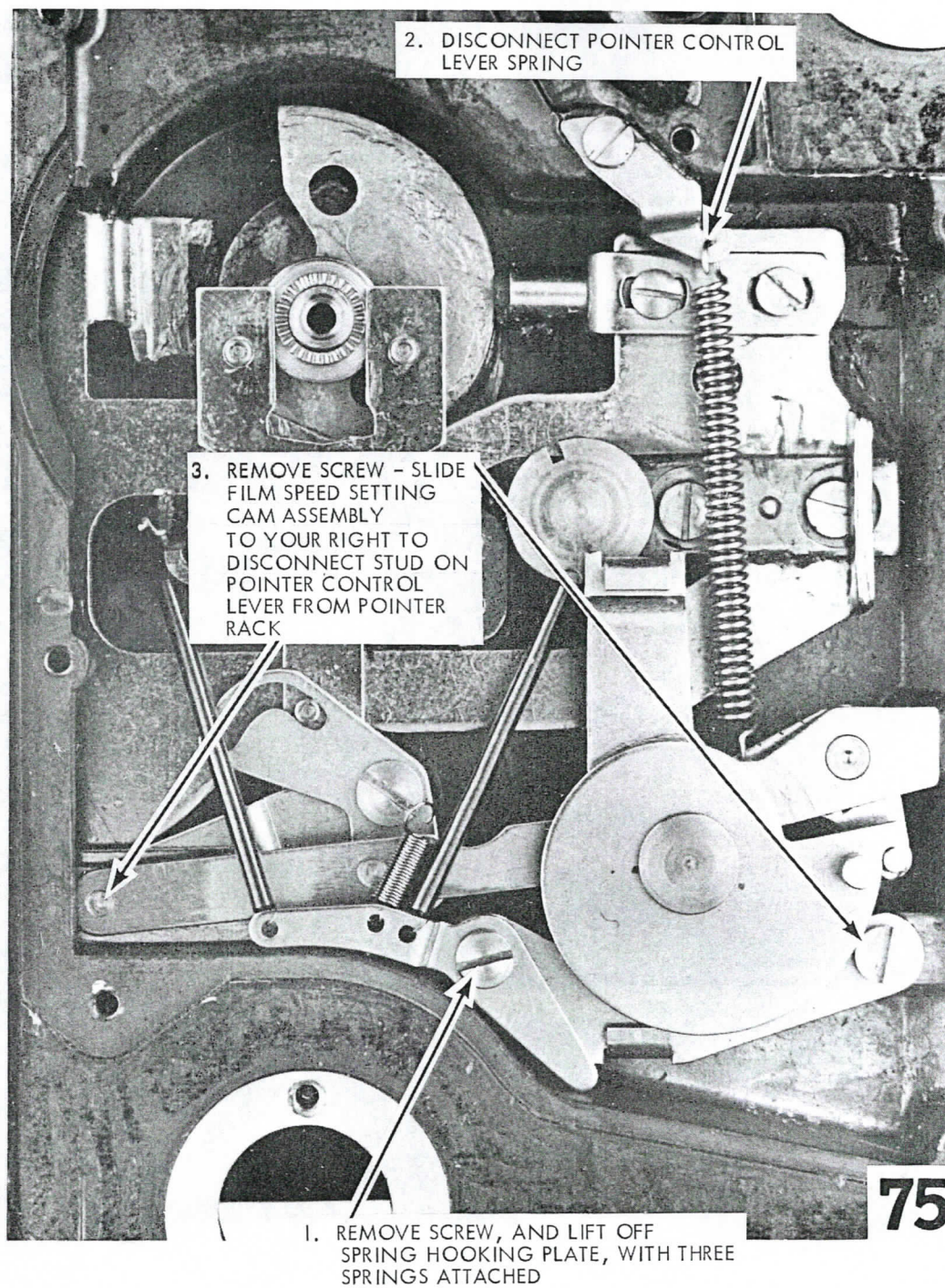


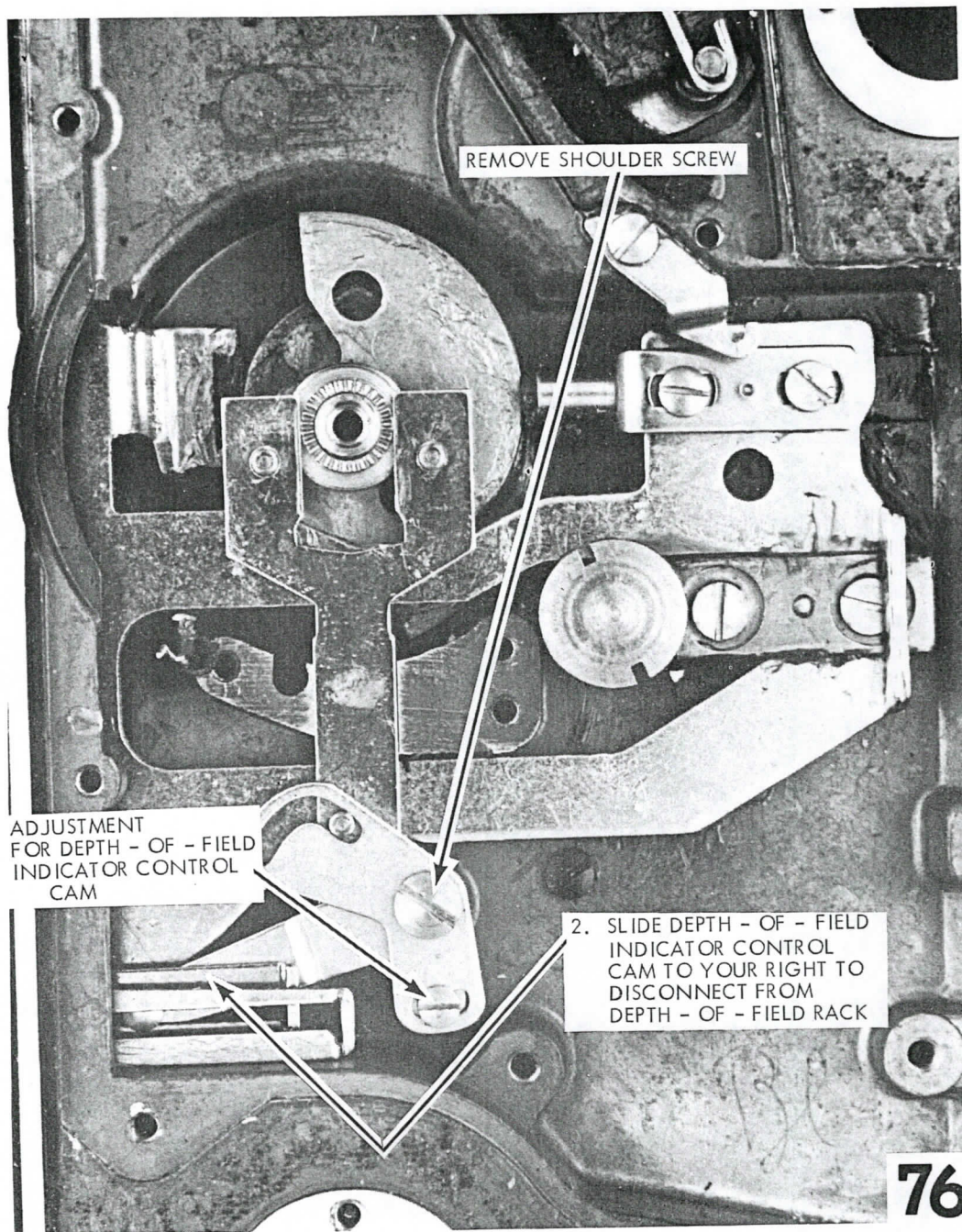


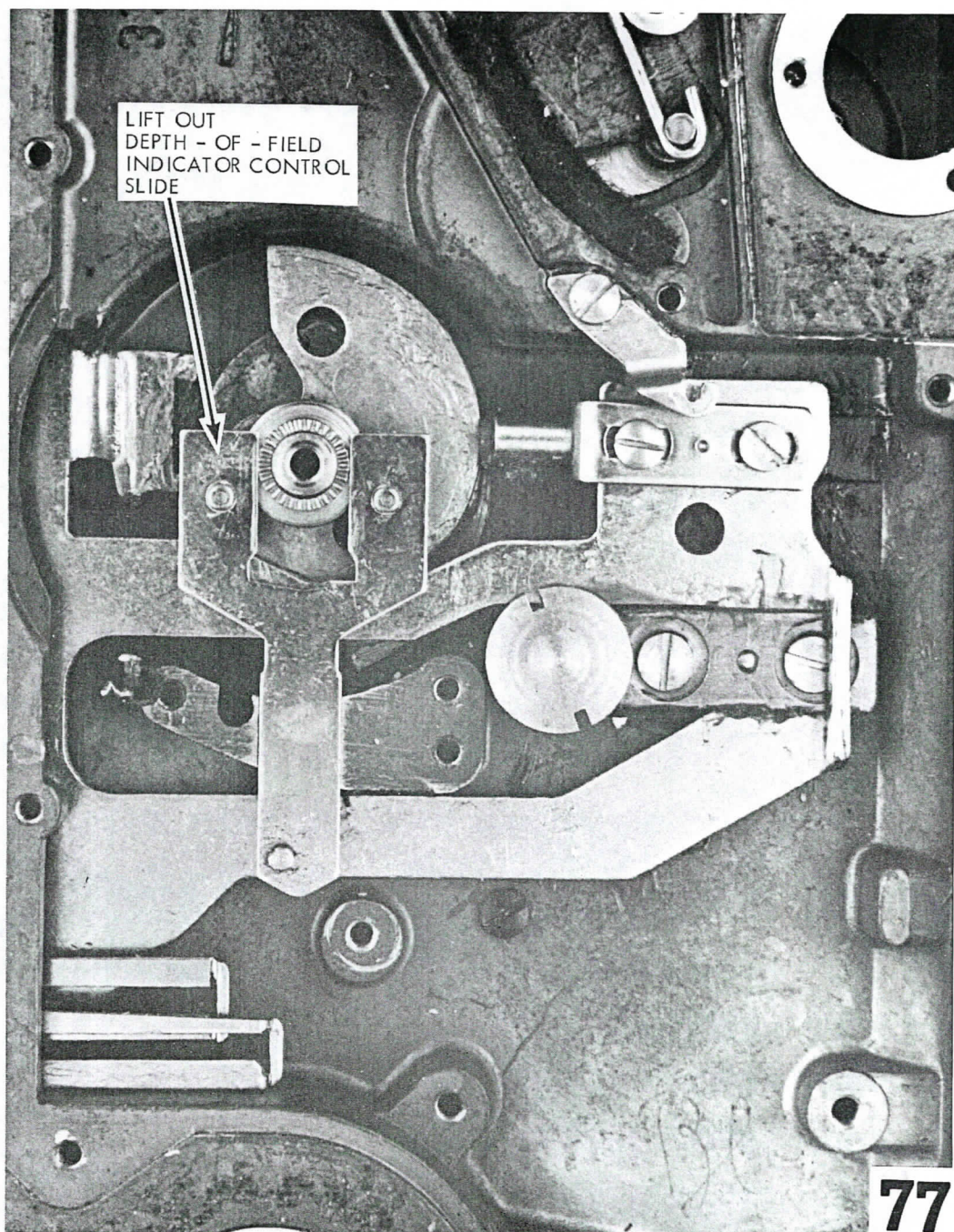


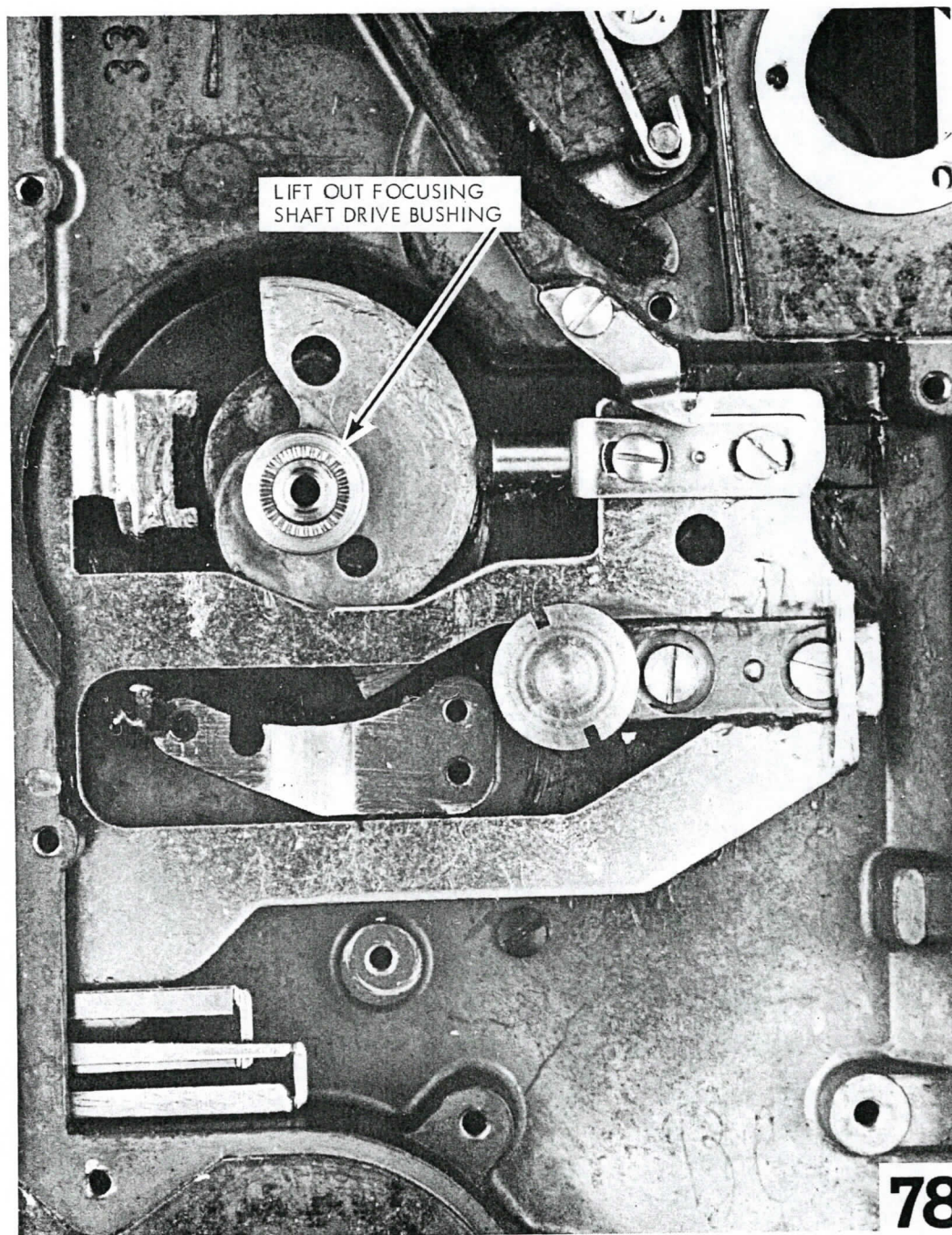
LIFT OFF LEFT SWING ARM

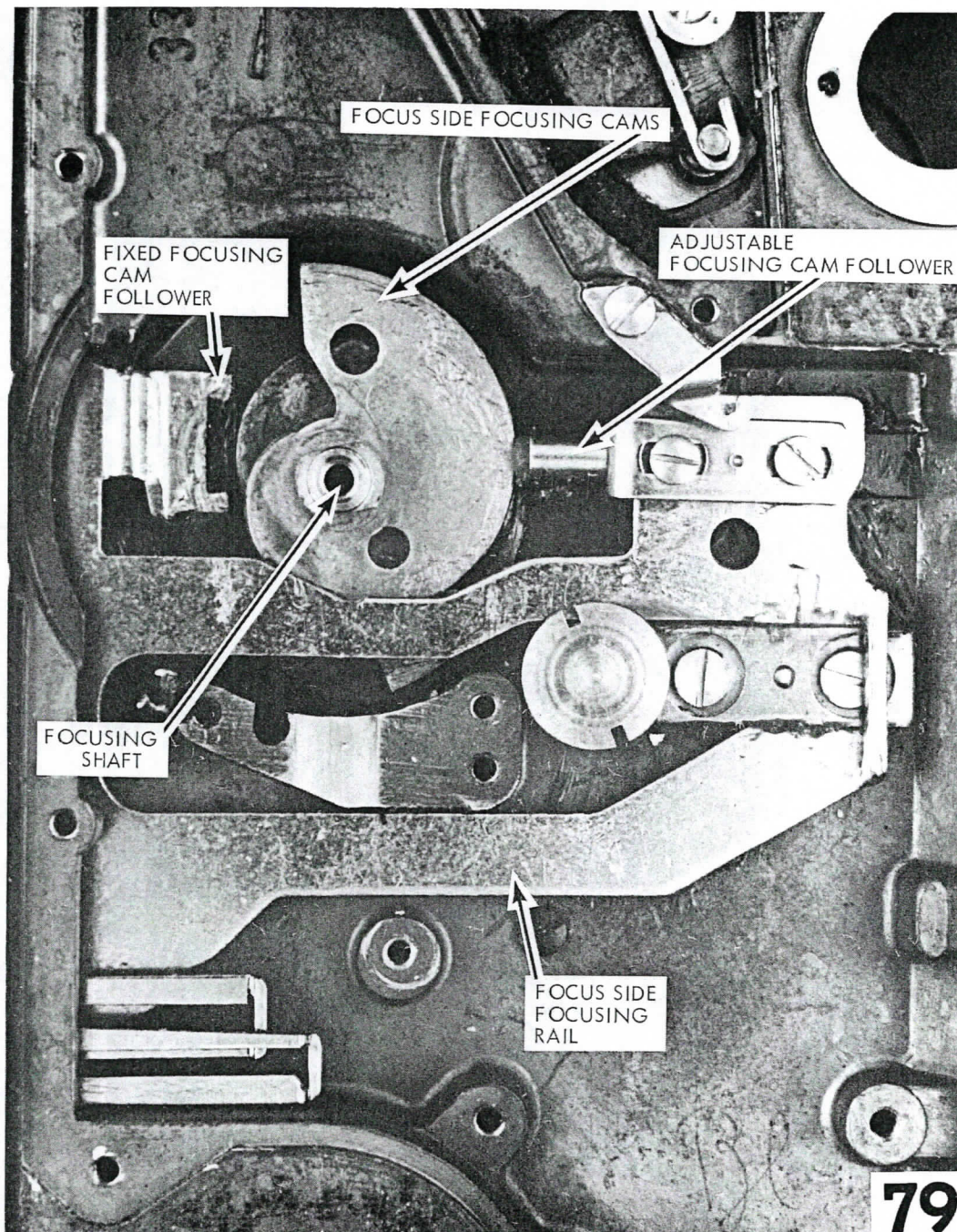
74



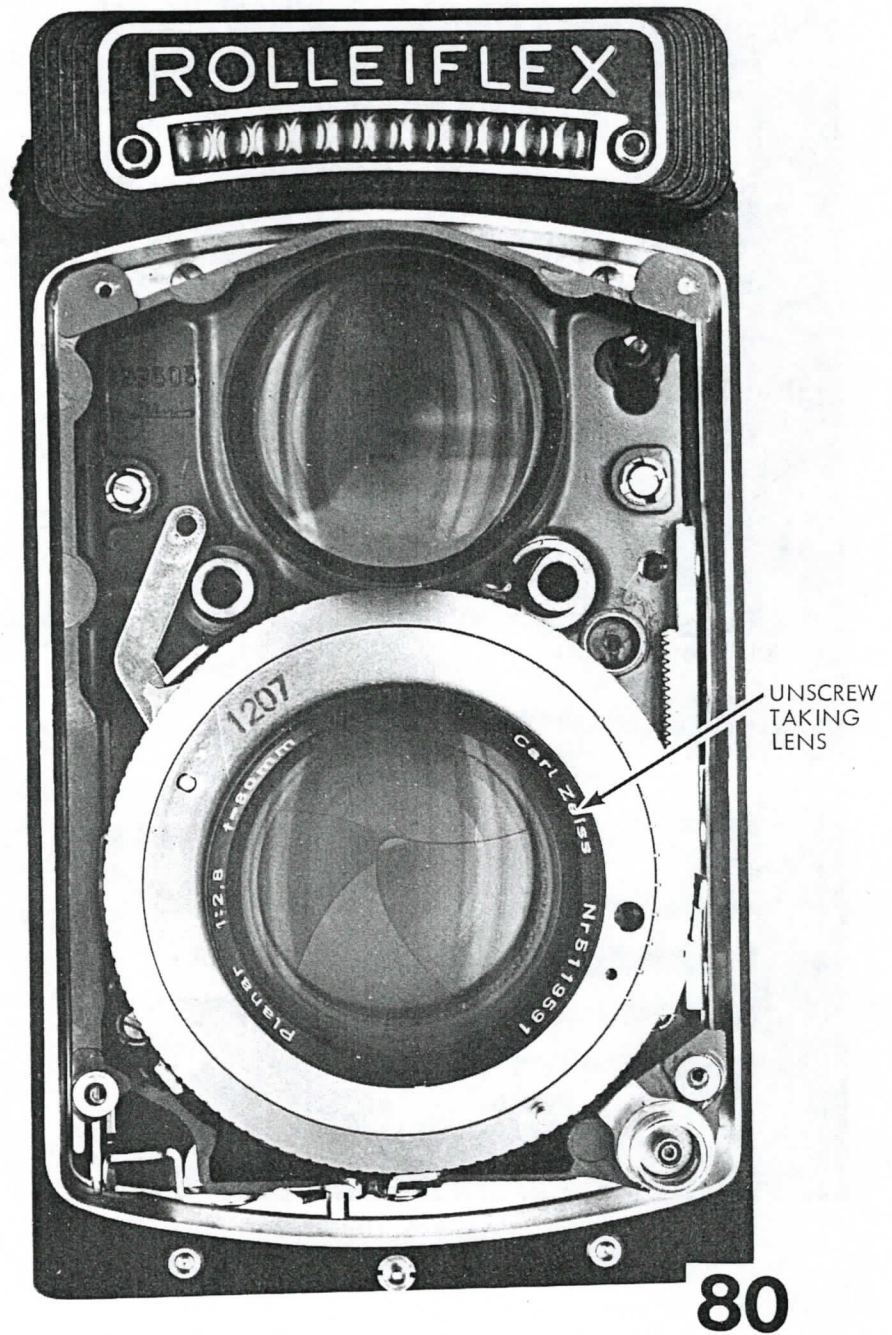






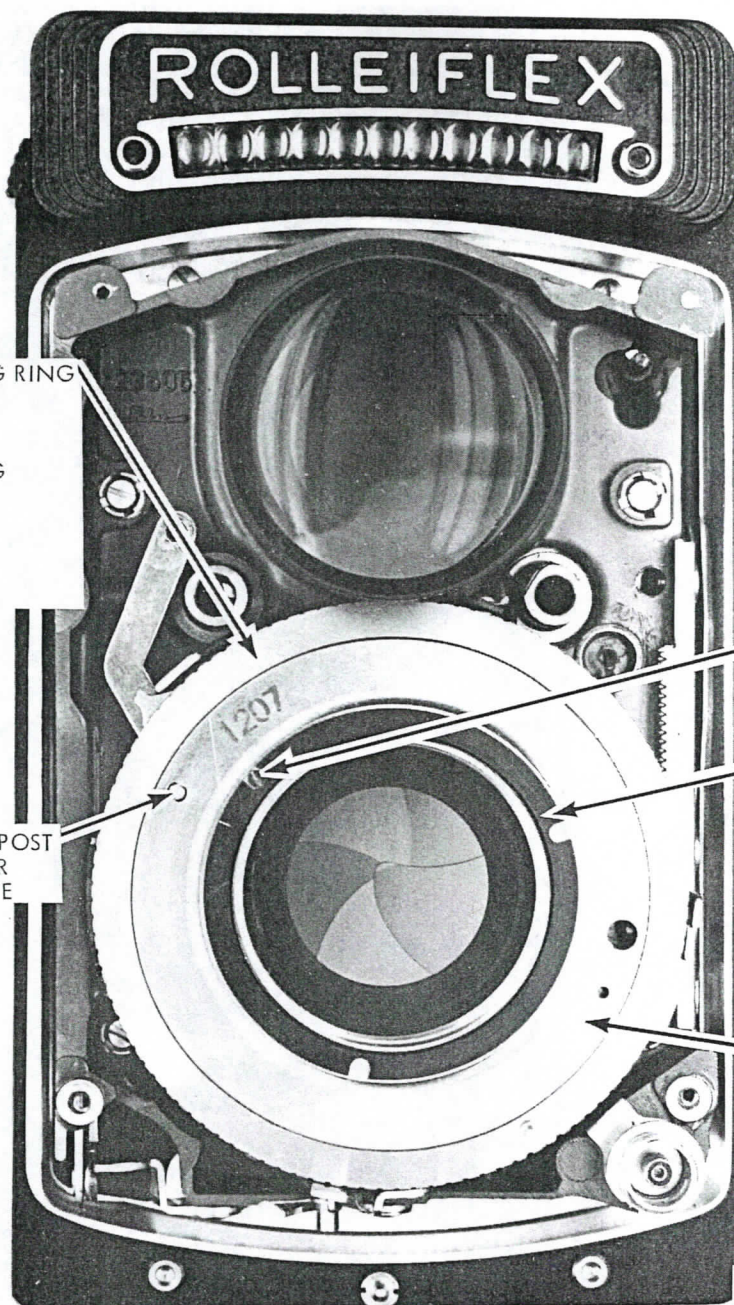


FIGURES 80 THROUGH 93 SHOW HOW TO CLEAN SHUTTER BLADE OPERATING RING AND ESCAPEMENTS WITHOUT REMOVING SHUTTER FROM CAMERA



TURN SPEED SETTING RING
TO NOTE
TIGHTNESS - ON
REASSEMBLY,
TIGHTEN RETAINING
RING FOR THE
SAME TENSION
ON THE SPEED
SETTING
RING

LOCATING POST
FOR SHUTTER
COVER PLATE

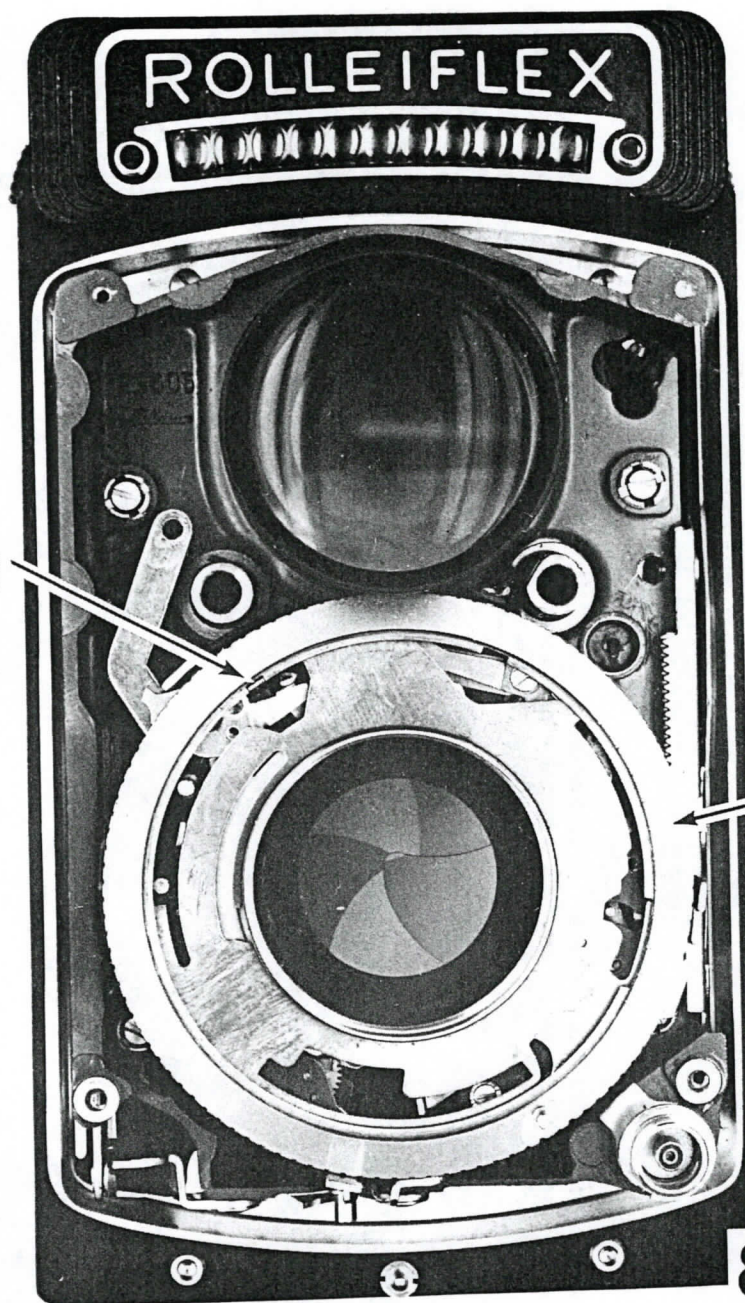


1. REMOVE
LOCK
SCREW

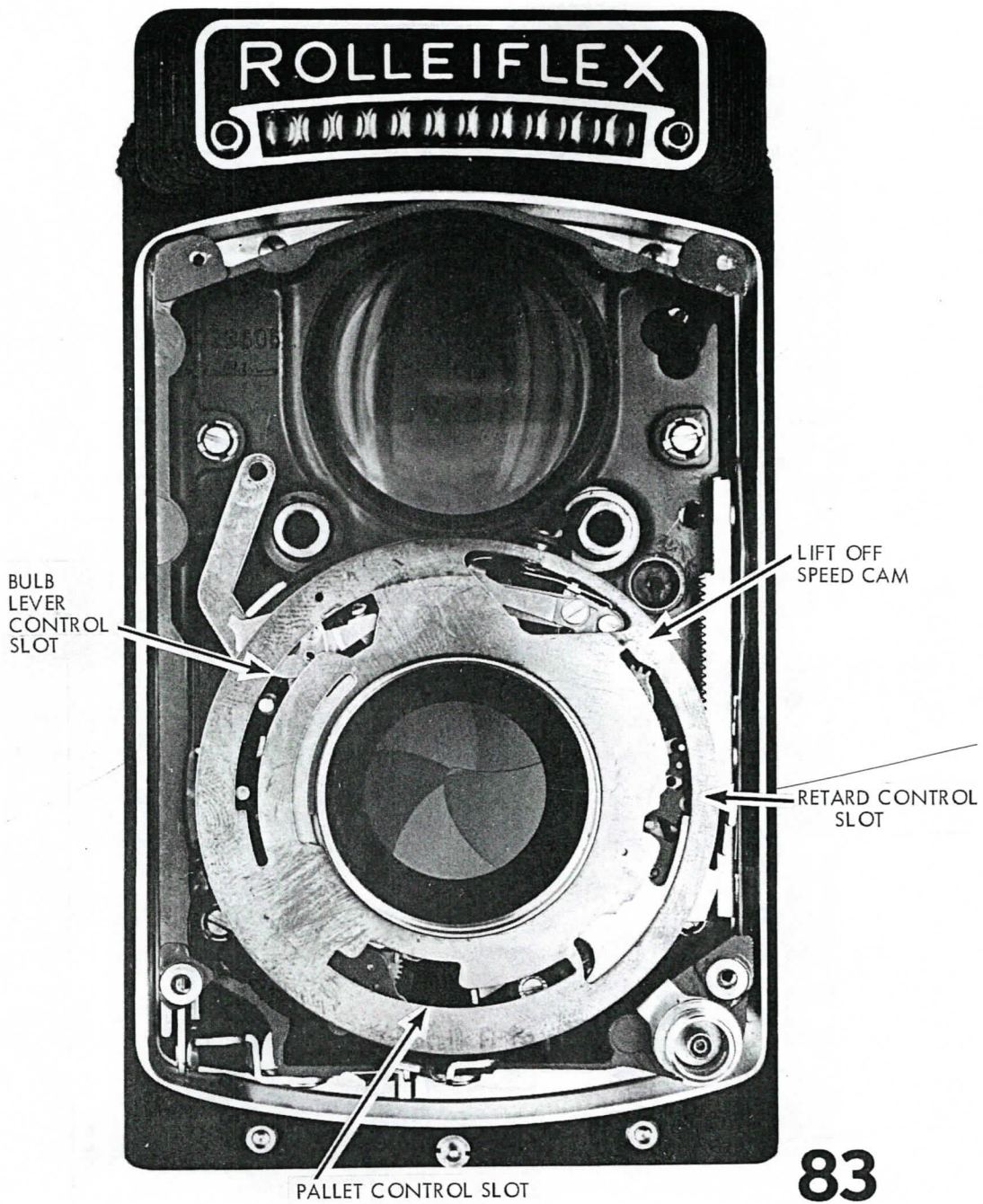
2. UNSCREW
RETAINING
RING

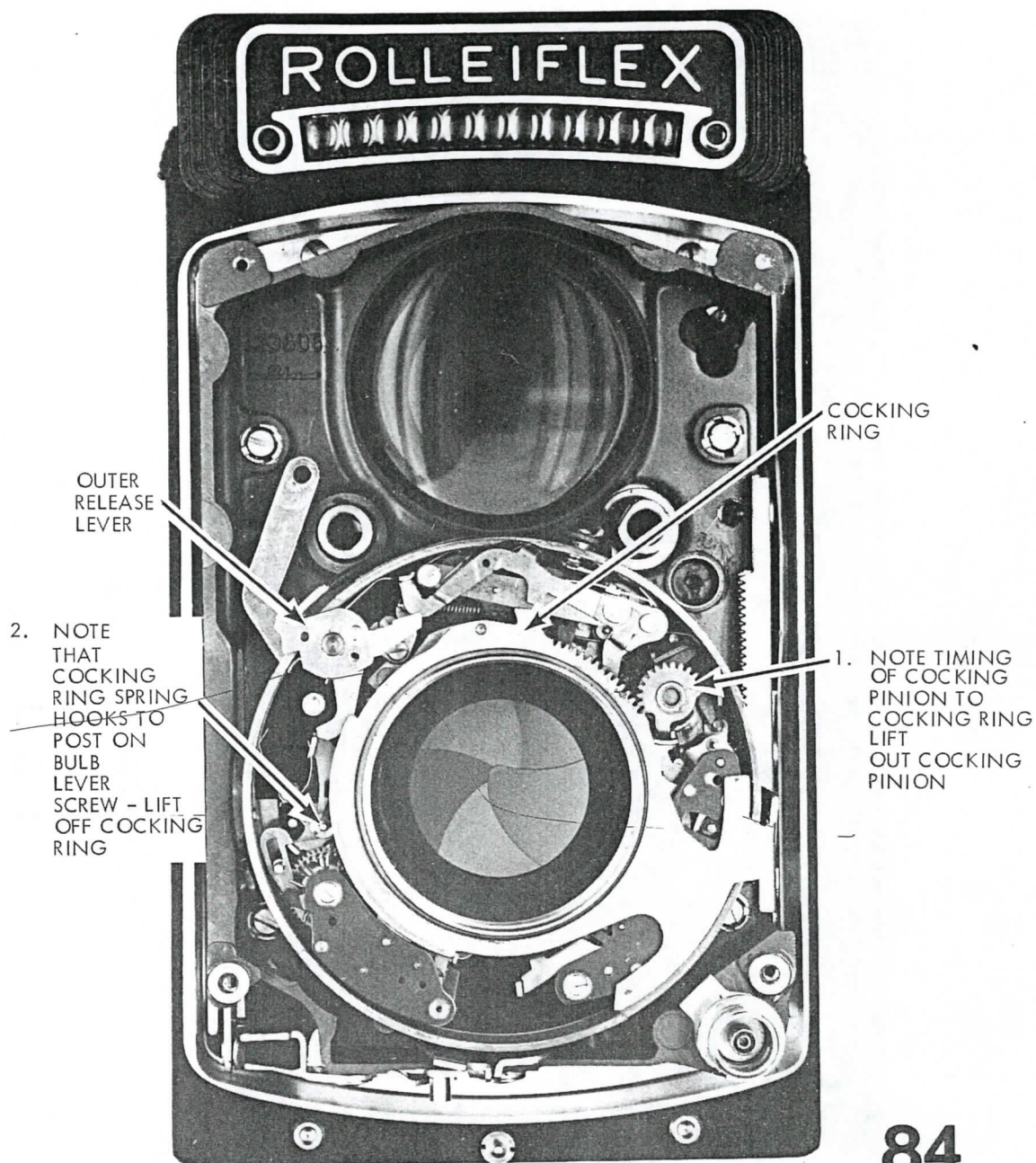
3. LIFT
OFF
SHUTTER
COVER
PLATE

SPEED SETTING
RING KEYS TO
SPEED CAM
HERE



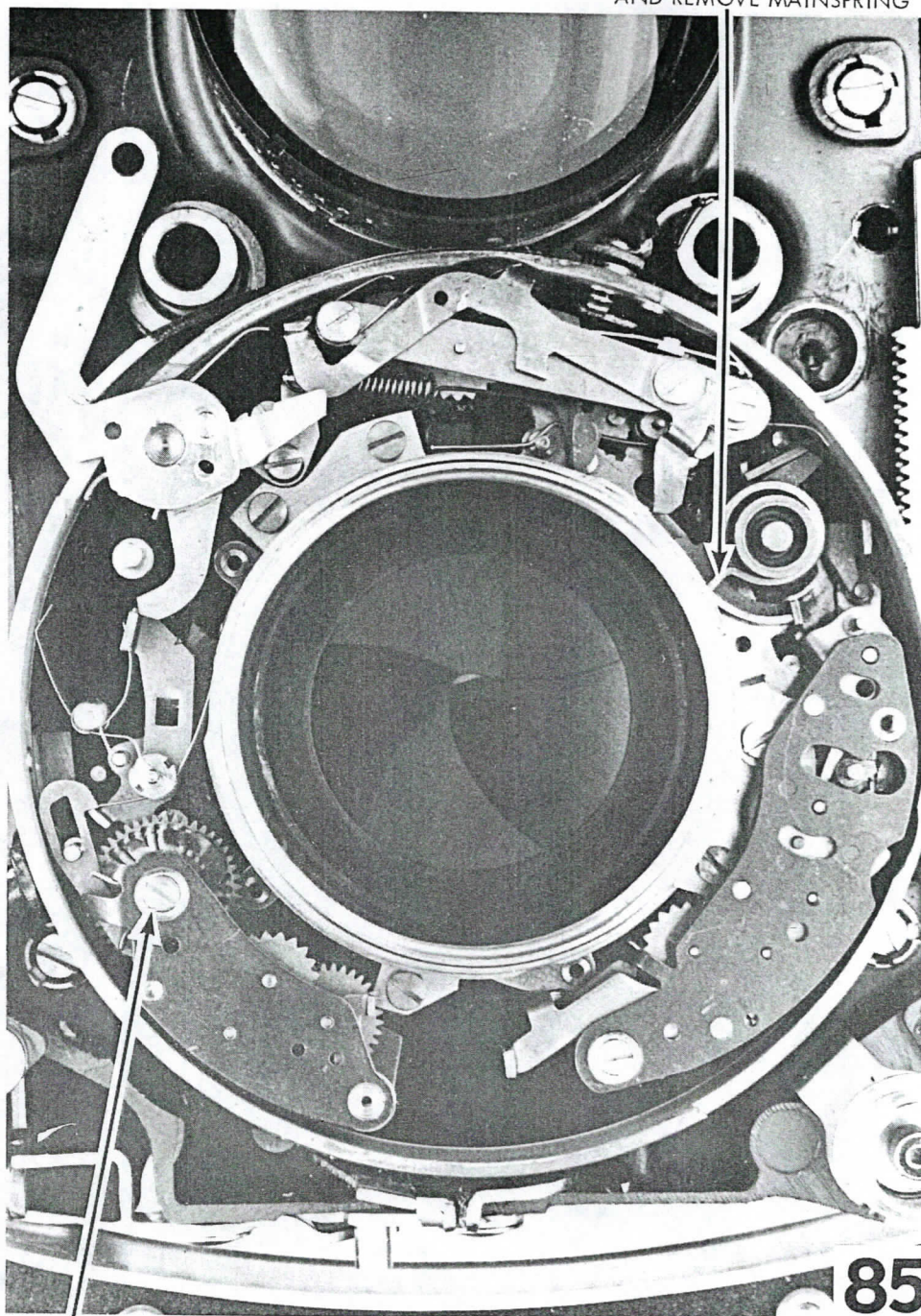
LIFT
OFF
SPEED
SETTING
RING





COCKING RING SPRING REMAINS WITH COCKING RING

1. DISCONNECT
AND REMOVE MAINSPRING



2. REMOVE SCREW AND LIFT OUT
DELAYED-ACTION ESCAPEMENT

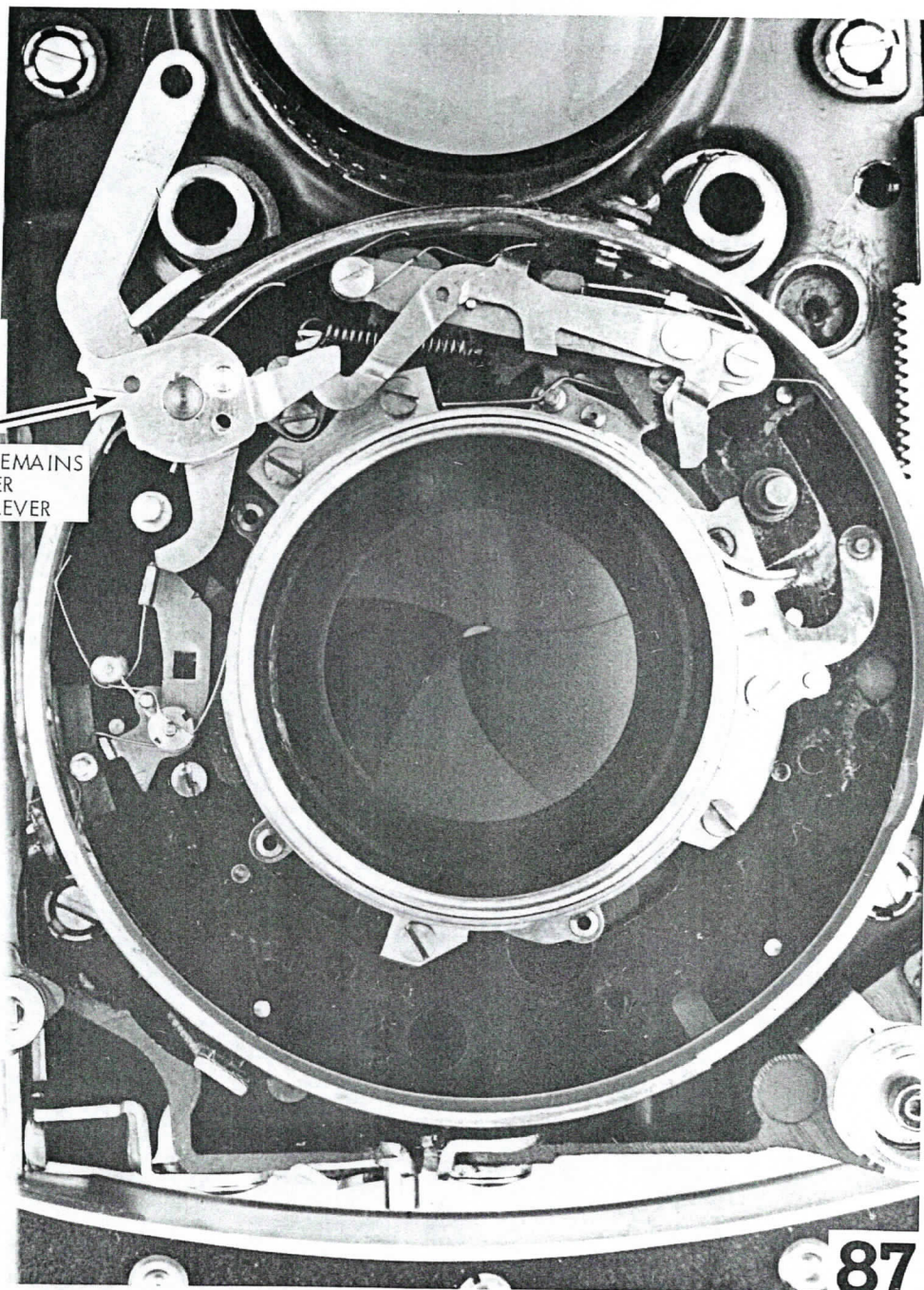
1. TURN MAIN DRIVE CAM TO POSITION SHOWN - LIFT OUT MAIN DRIVE CAM

NOTE THAT PALLET CONTROL LEVER
HOOKS BEHIND LUG ON BLADE
OPERATING RING

2. REMOVE TWO SCREWS AND LIFT OUT SPEEDS
ESCAPEMENT

LIFT
OUT
OUTER
RELEASE
LEVER

SPRING REMAINS
ON OUTER
RELEASE LEVER

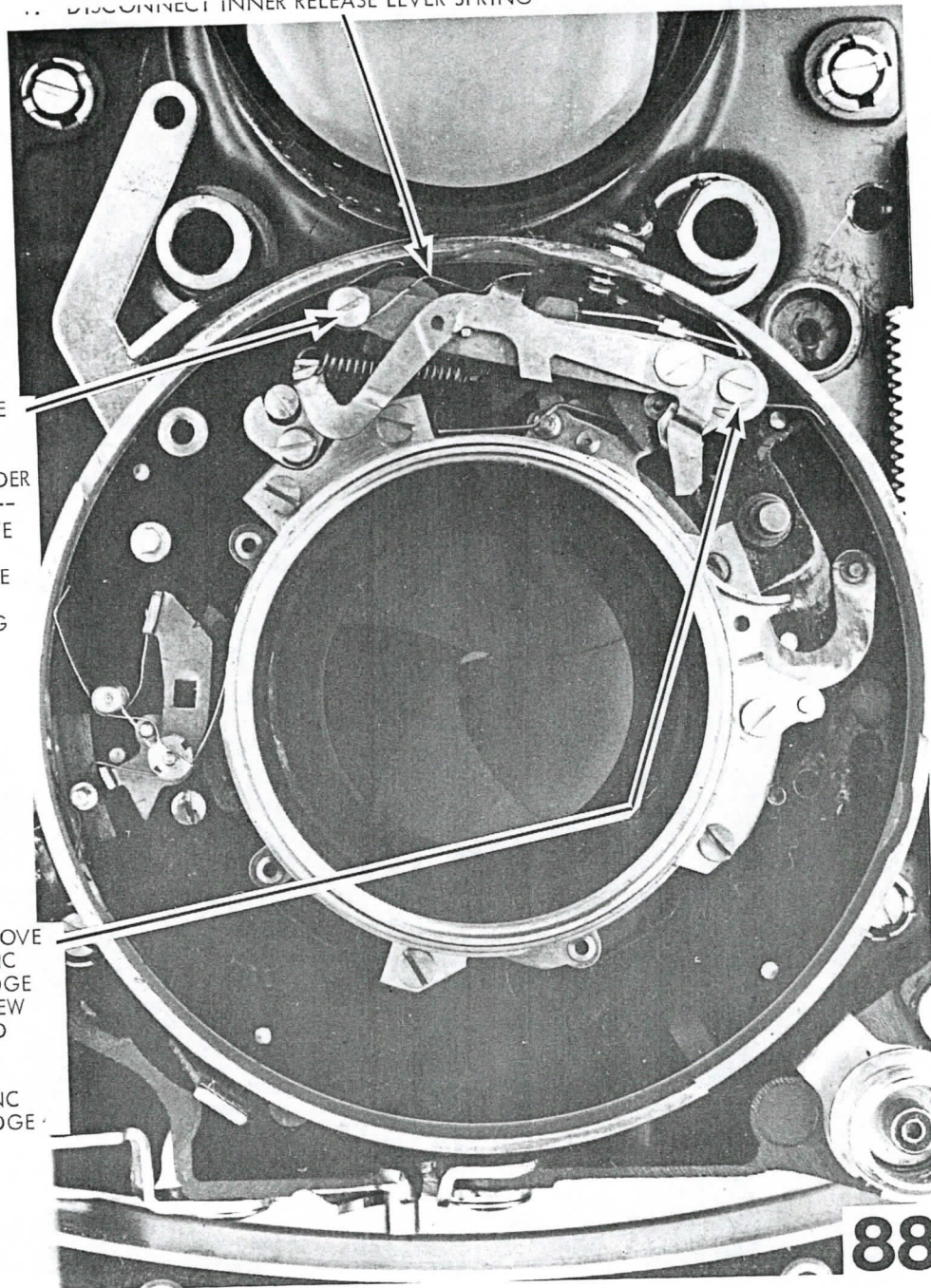


87

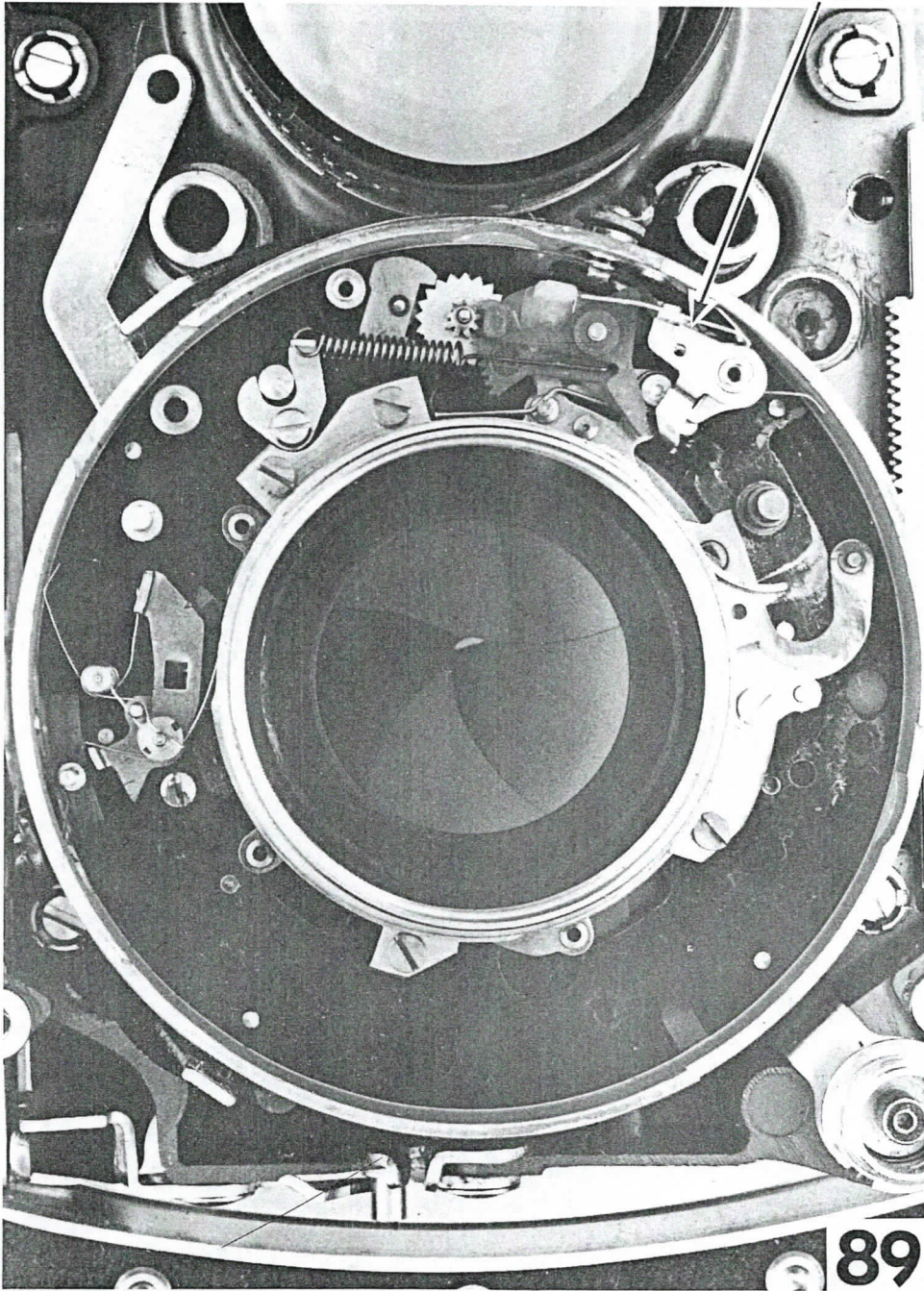
1. DISCONNECT INNER RELEASE LEVER SPRING

2. REMOVE
SYNC
BRIDGE
SHOULDER
SCREW--
REMOVE
INNER
RELEASE
LEVER
SPRING

3. REMOVE
SYNC
BRIDGE
SCREW
AND
LIFT
OFF
SYNC
BRIDGE



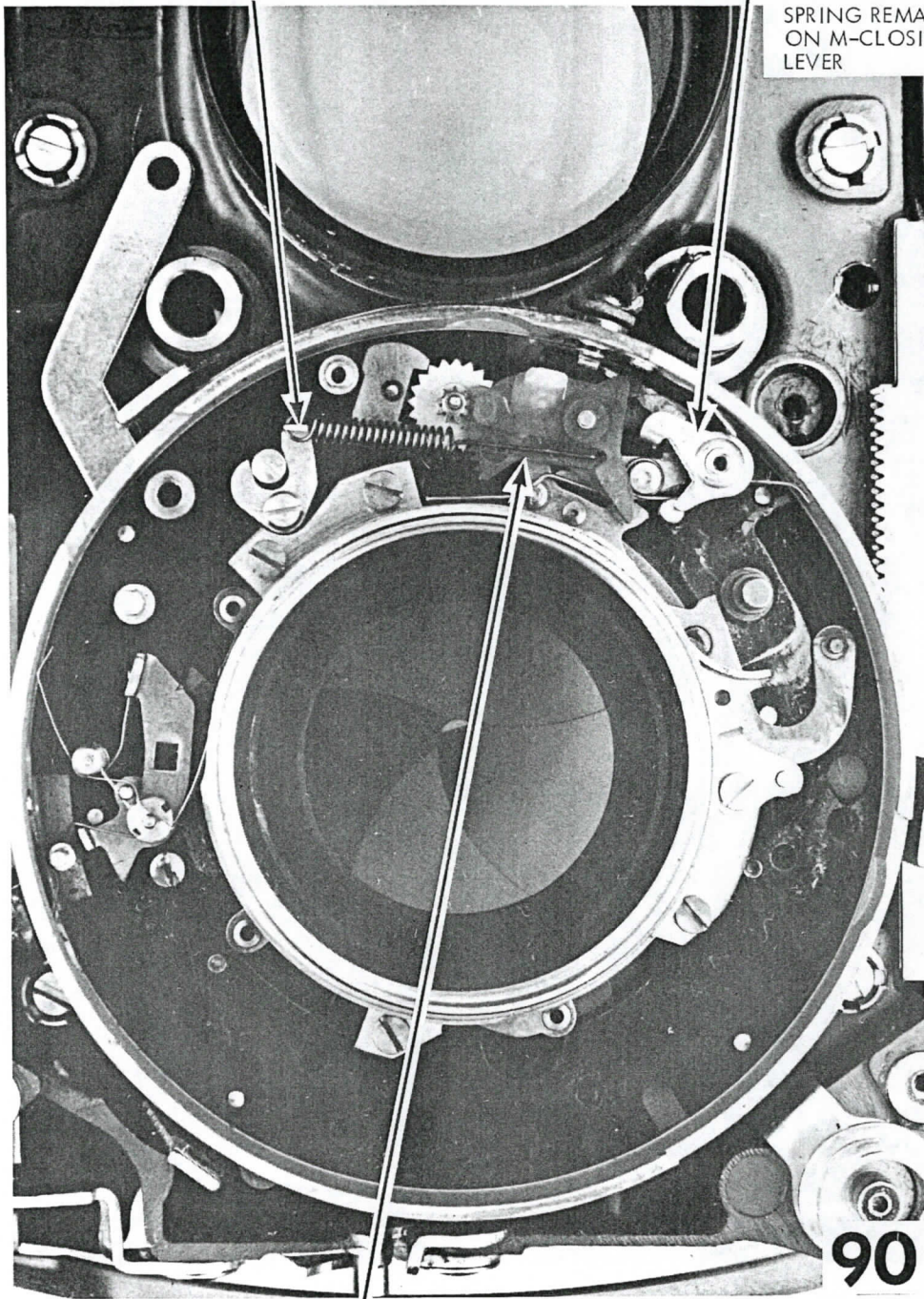
LIFT OFF CONTACT LEVER



2. DISCONNECT AND REMOVE SYNC DRIVE
SPRING

1. REMOVE M-CLOSING
LEVER

SPRING REMAINS
ON M-CLOSING
LEVER



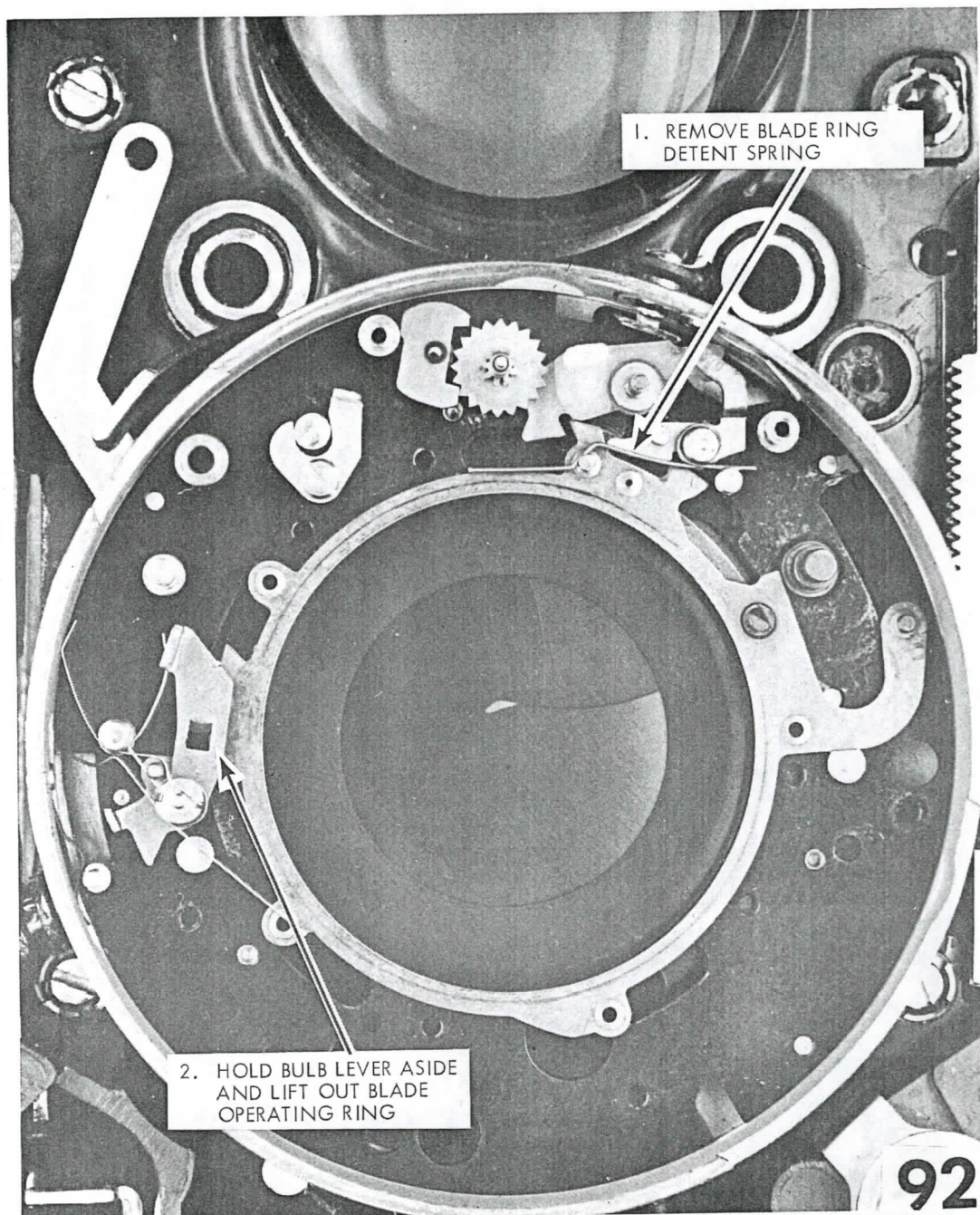
3. LIFT OUT SYNC DRIVE SECTOR

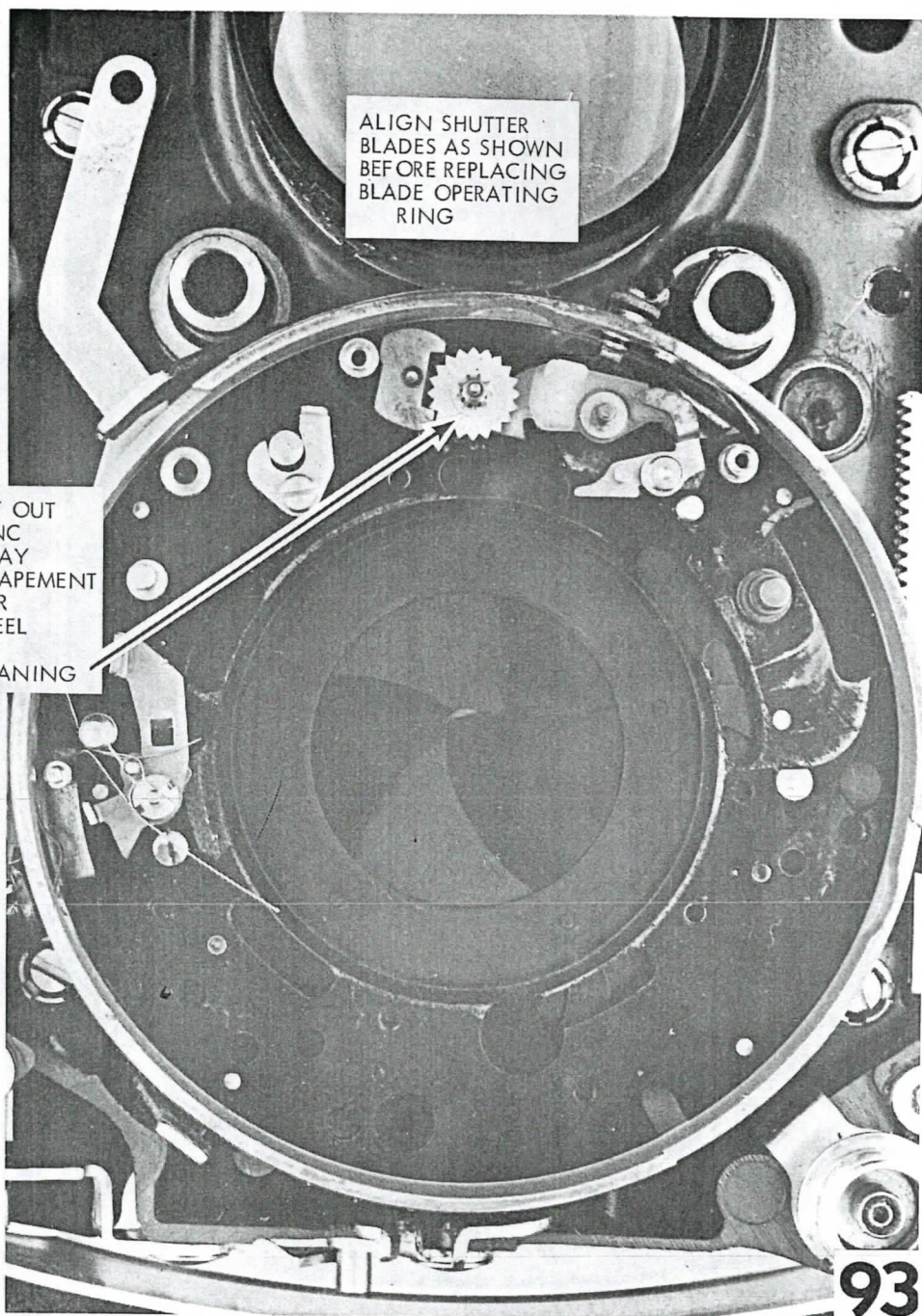
1. DISCONNECT AND REMOVE LATCH SPRING

2. REMOVE
SCREW AND
LIFT OFF
ARRESTING
PLATE

3. REMOVE
LENS FLANGE
SCREWS

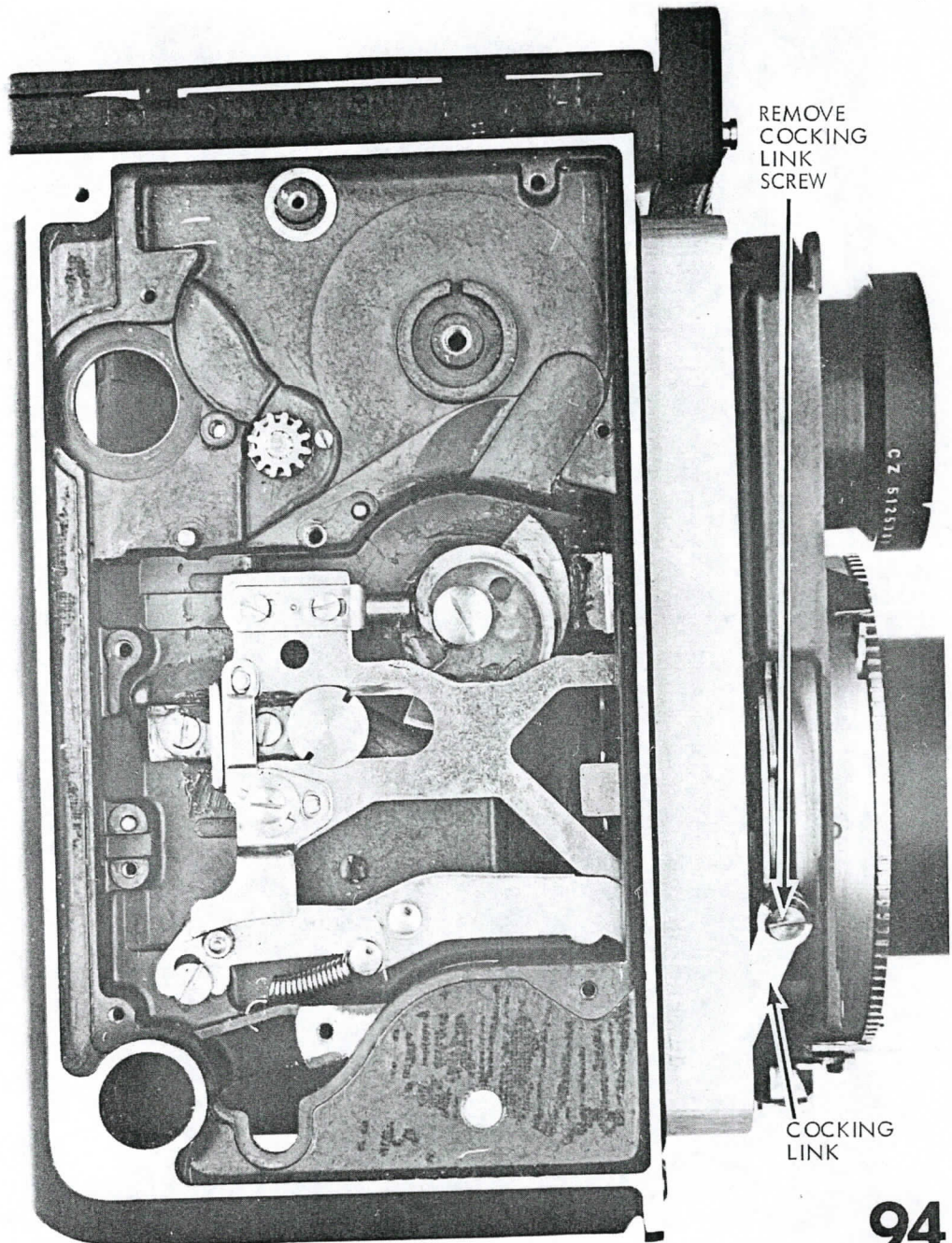
4. HOLD MXV
SELECTOR RING
SPRING ASIDE
AS YOU LIFT
OFF LENS
FLANGE





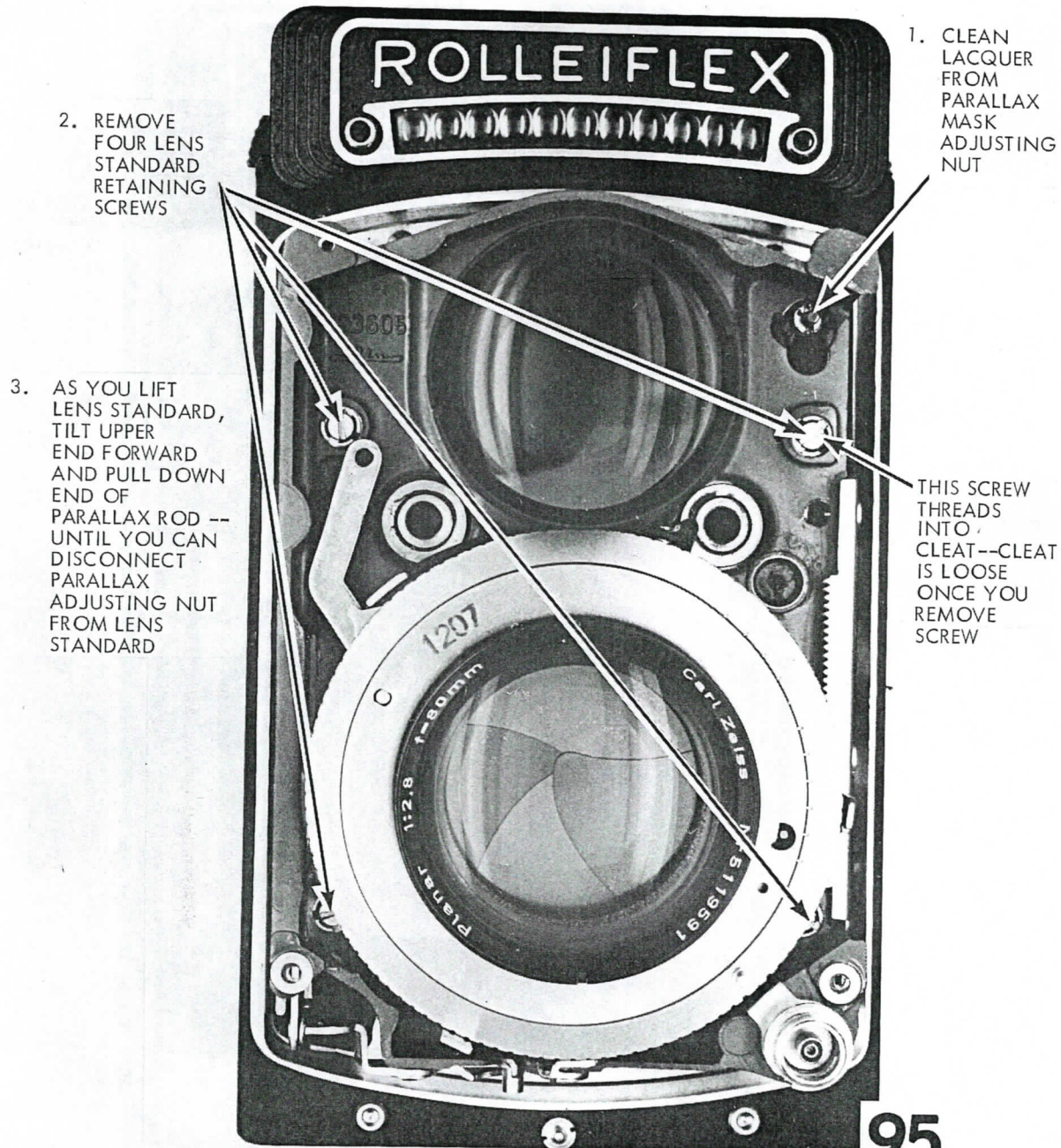
ALIGN SHUTTER
BLADES AS SHOWN
BEFORE REPLACING
BLADE OPERATING
RING

LIFT OUT
SYNC
DELAY
ESCAPEMENT
STAR
WHEEL
FOR
CLEANING



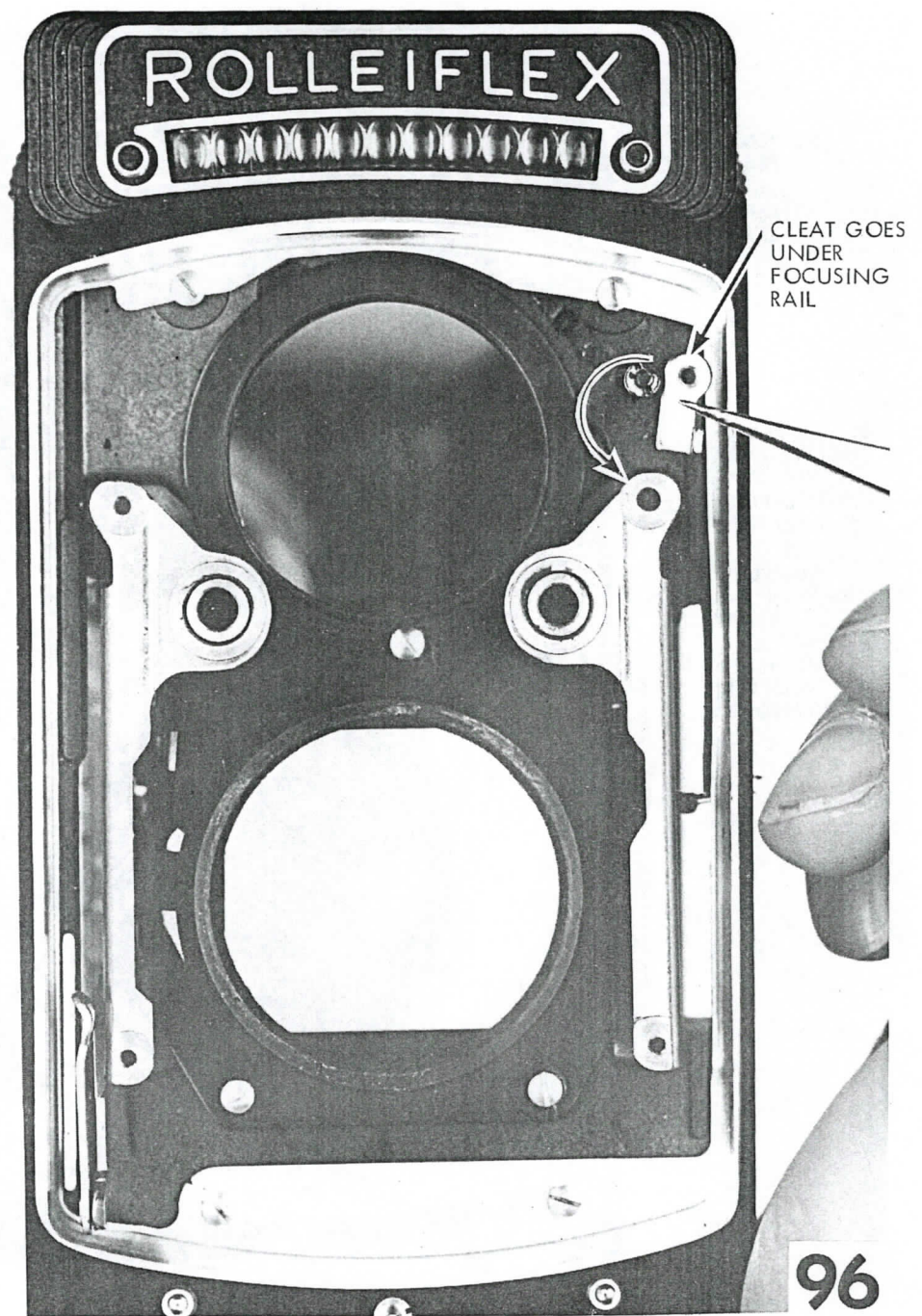
REMOVE
COCKING
LINK
SCREW

COCKING
LINK



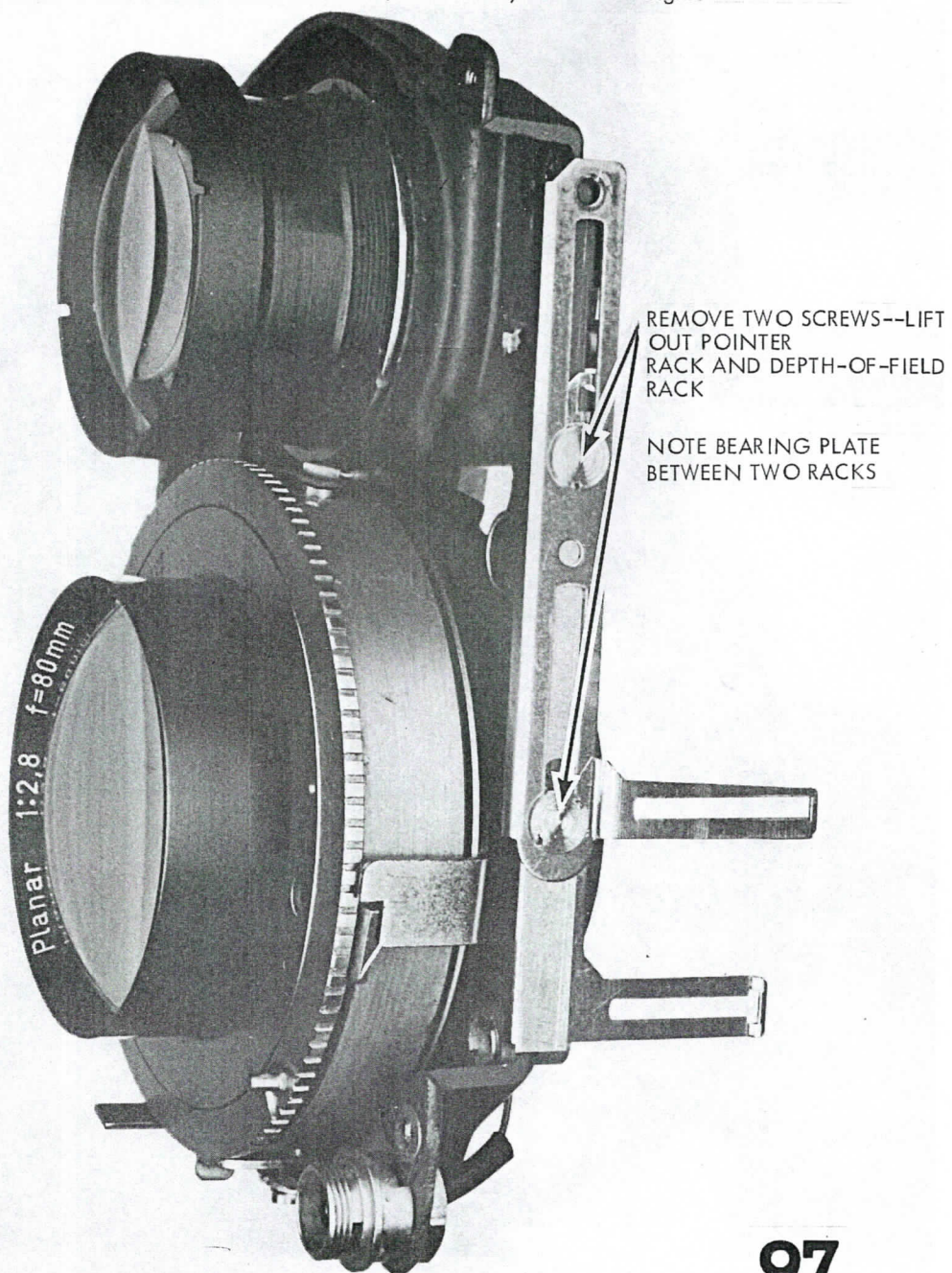
95

NOTE: With care, you can remove the lens standard retaining screws without disturbing the parallelism adjustment. One method is to lock the threaded bushings in place with lacquer before removing the screws. Alternately, you can hold the threaded bushings to prevent them from turning or simply mark their positions.



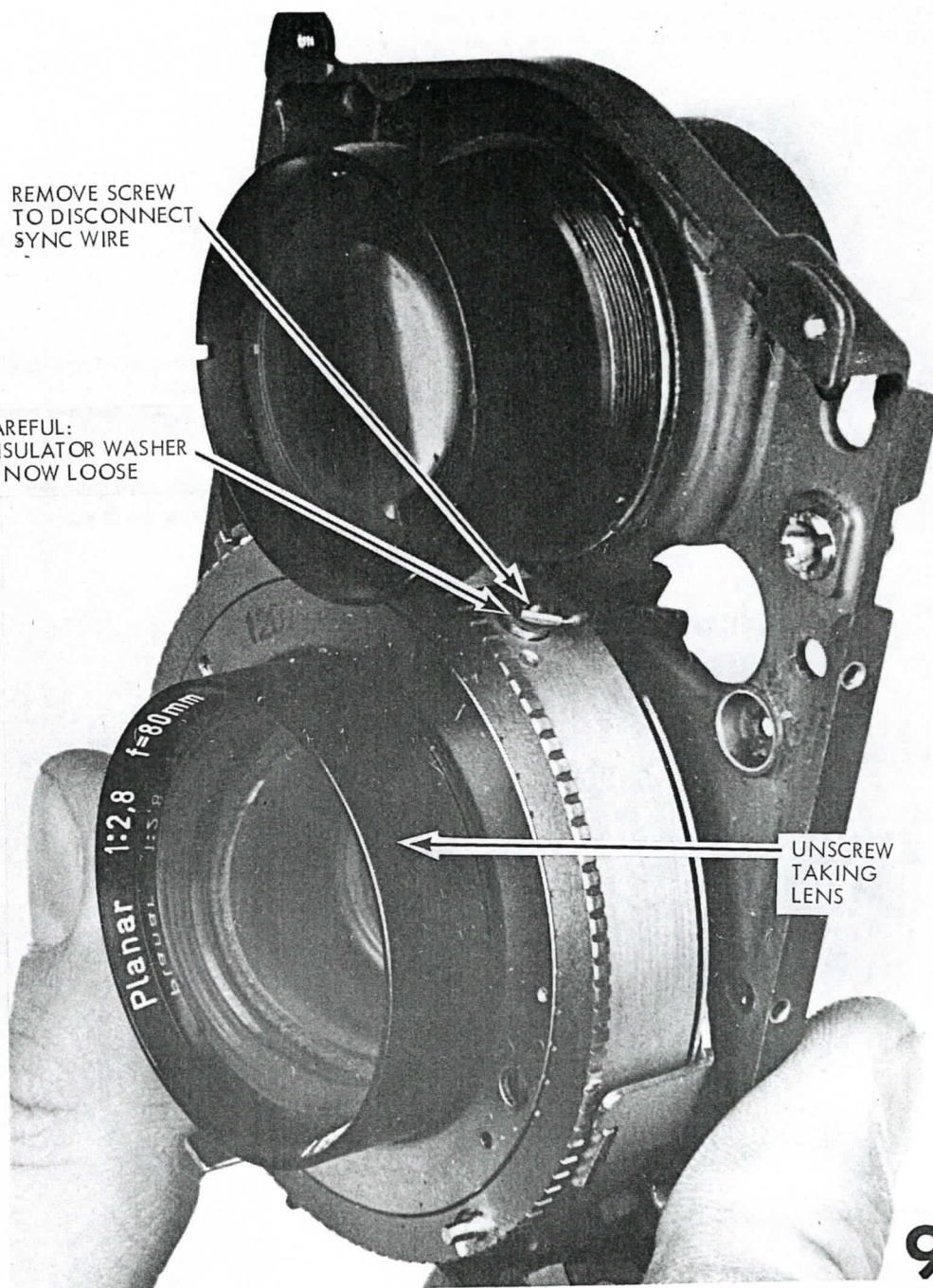
CLEAT GOES
UNDER
FOCUSING
RAIL

On reassembly, check the freedom of both the depth-of-field rack and the pointer rack. Both racks must be free enough to move by their own weight.



REMOVE SCREW
TO DISCONNECT
SYNC WIRE

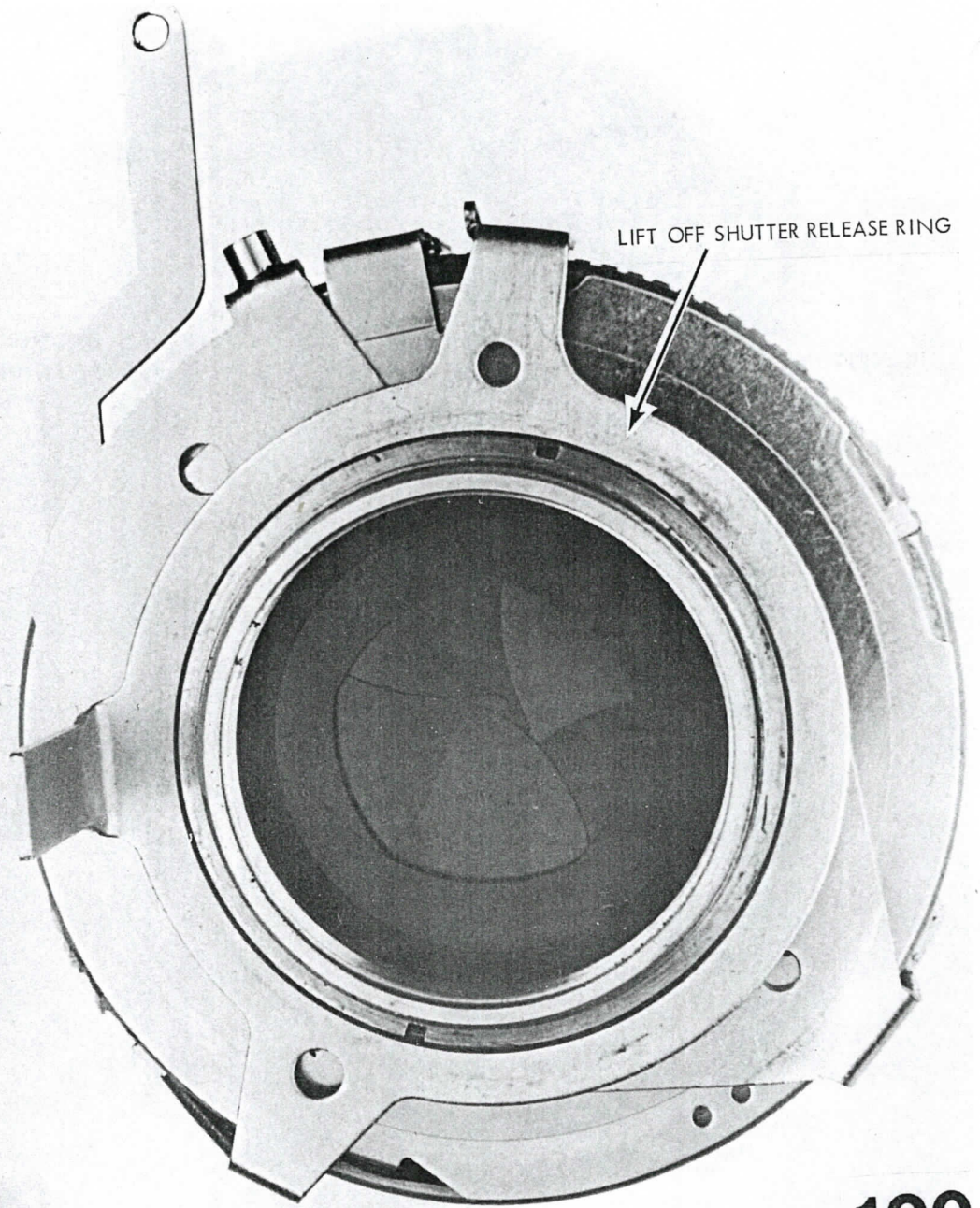
CAREFUL:
INSULATOR WASHER
IS NOW LOOSE



1. UNSCREW REAR LENS CELL

2. UNSCREW SHUTTER
RETAINING RING

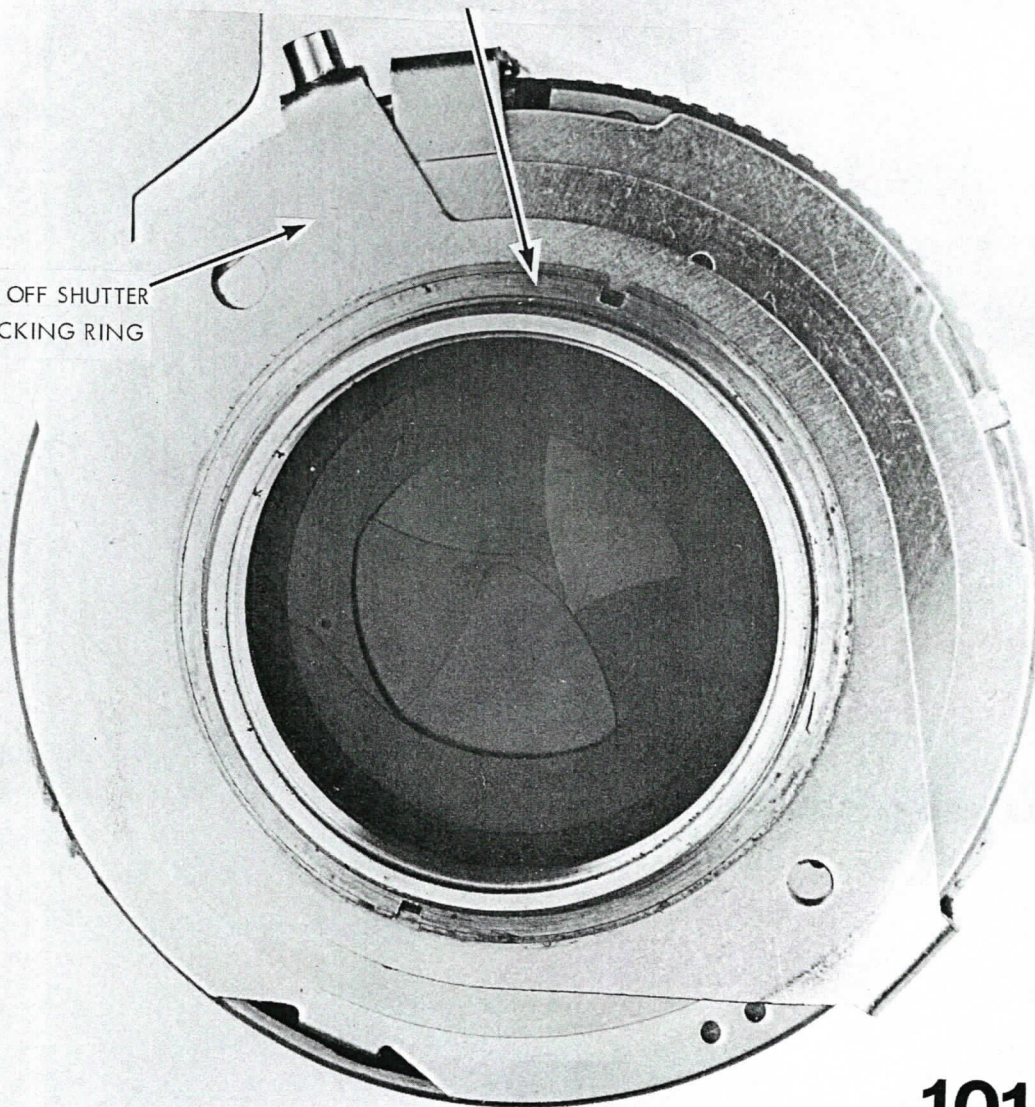
3. SEPARATE
SHUTTER
FROM LENS
STANDARD



100

1. UNSCREW SHOULDER RETAINING RING (NOTE THAT THE SIDE WITH TWO SHOULDERS -- ONE FOR THE SHUTTER RELEASE RING AND ONE THAT FITS INTO THE LENS STANDARD -- GOES UP)

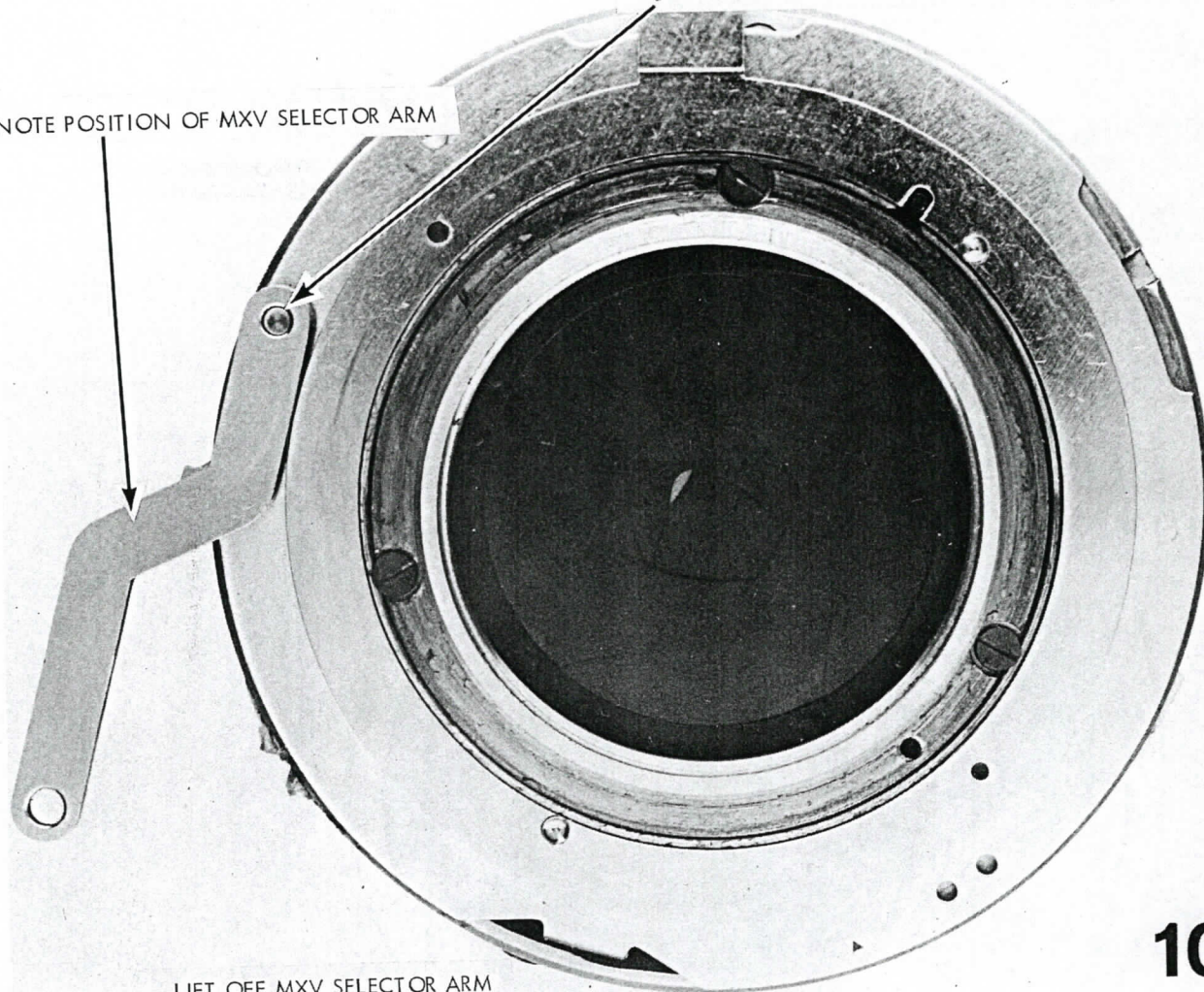
2. LIFT OFF SHUTTER COCKING RING



101

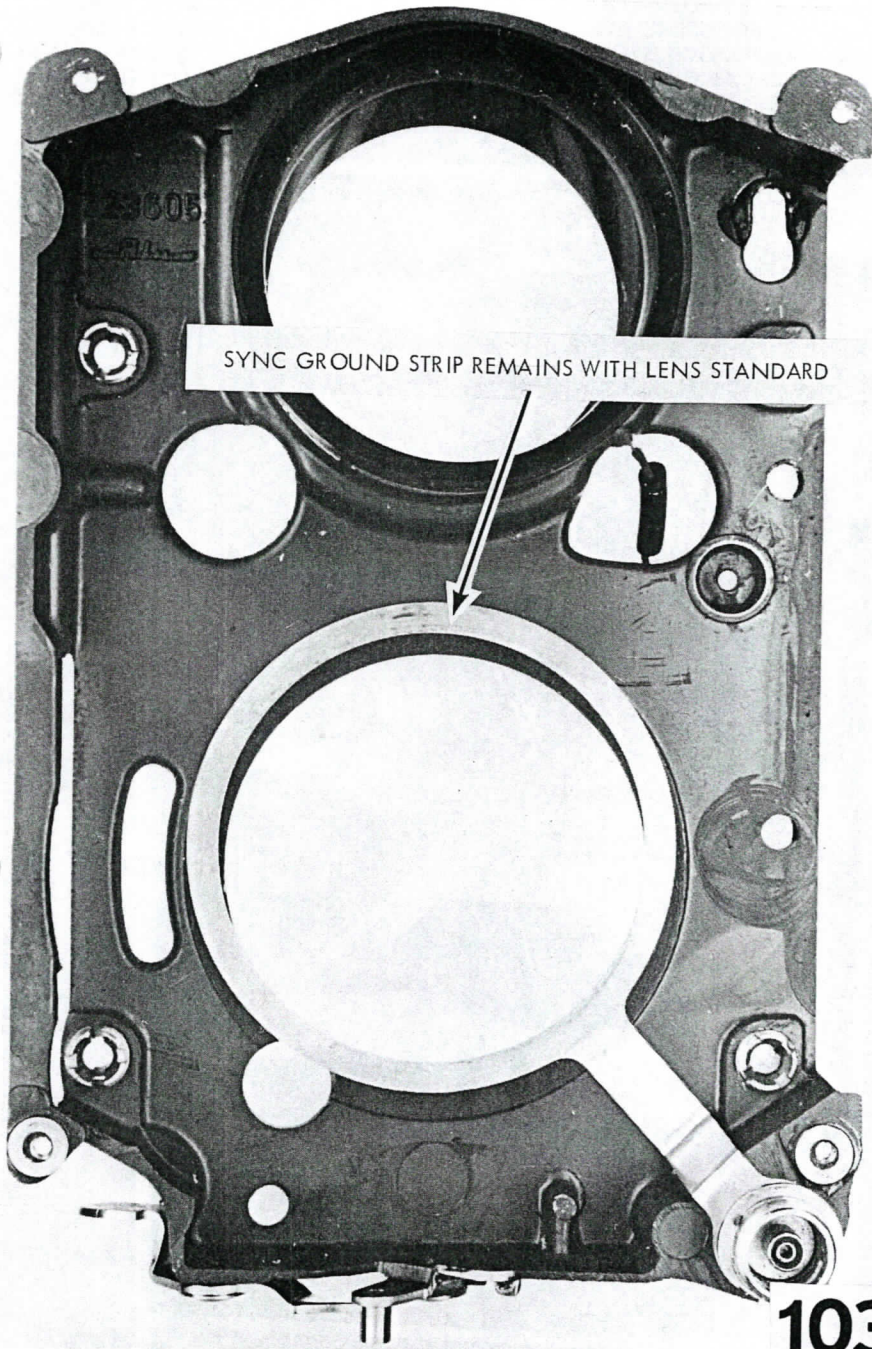
NOTE POSITION OF MXV SELECTOR ARM

SMALLER HOLE FITS OVER PIN ON MXV SELECTOR RING



LIFT OFF MXV SELECTOR ARM

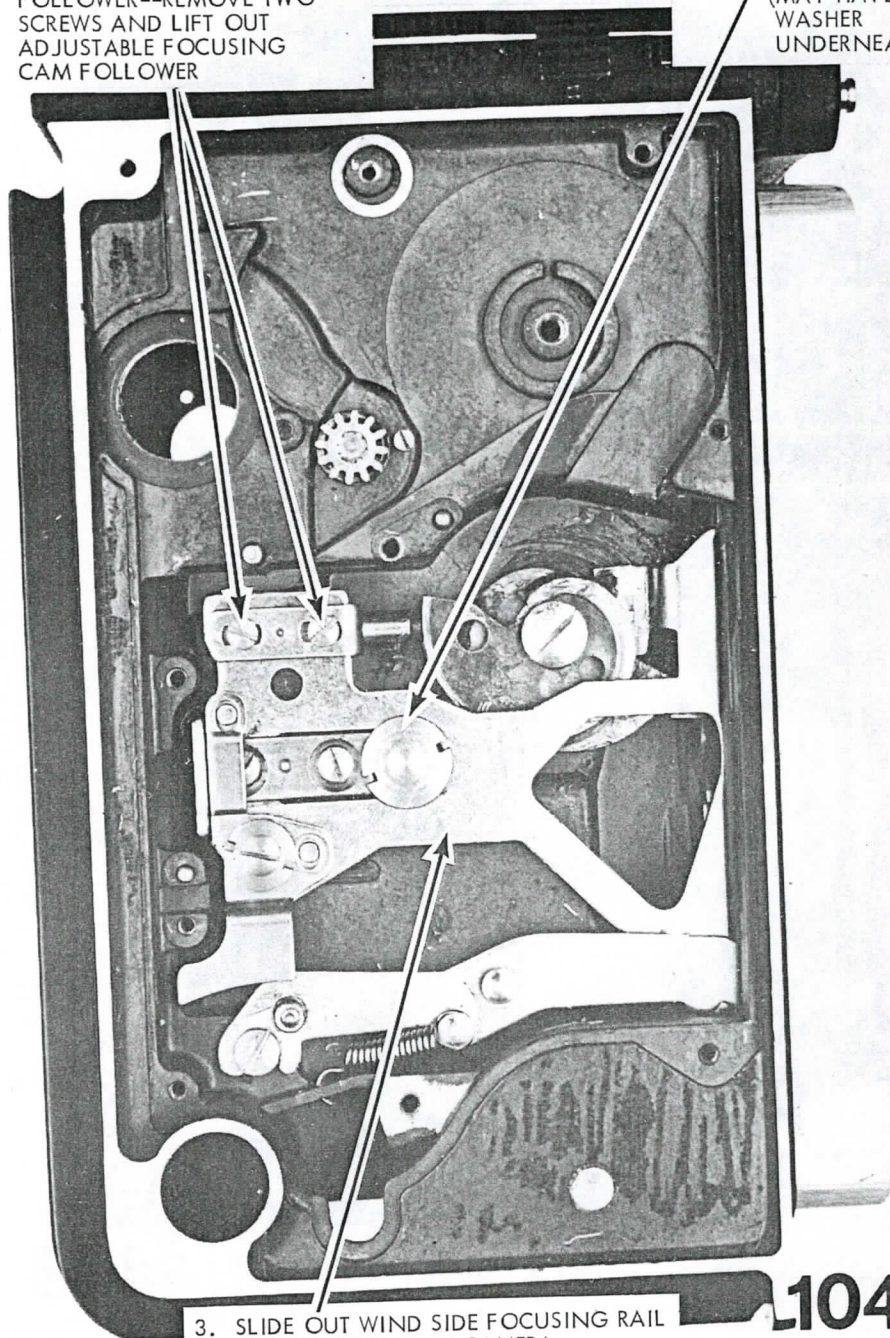
102



103

1. NOTE ADJUSTED POSITION OF
ADJUSTABLE FOCUSING CAM
FOLLOWER--REMOVE TWO
SCREWS AND LIFT OUT
ADJUSTABLE FOCUSING
CAM FOLLOWER

2. REMOVE RAIL
GUIDE SCREW
(MAY HAVE
WASHER
UNDERNEATH)



3. SLIDE OUT WIND SIDE FOCUSING RAIL
TOWARD FRONT OF CAMERA

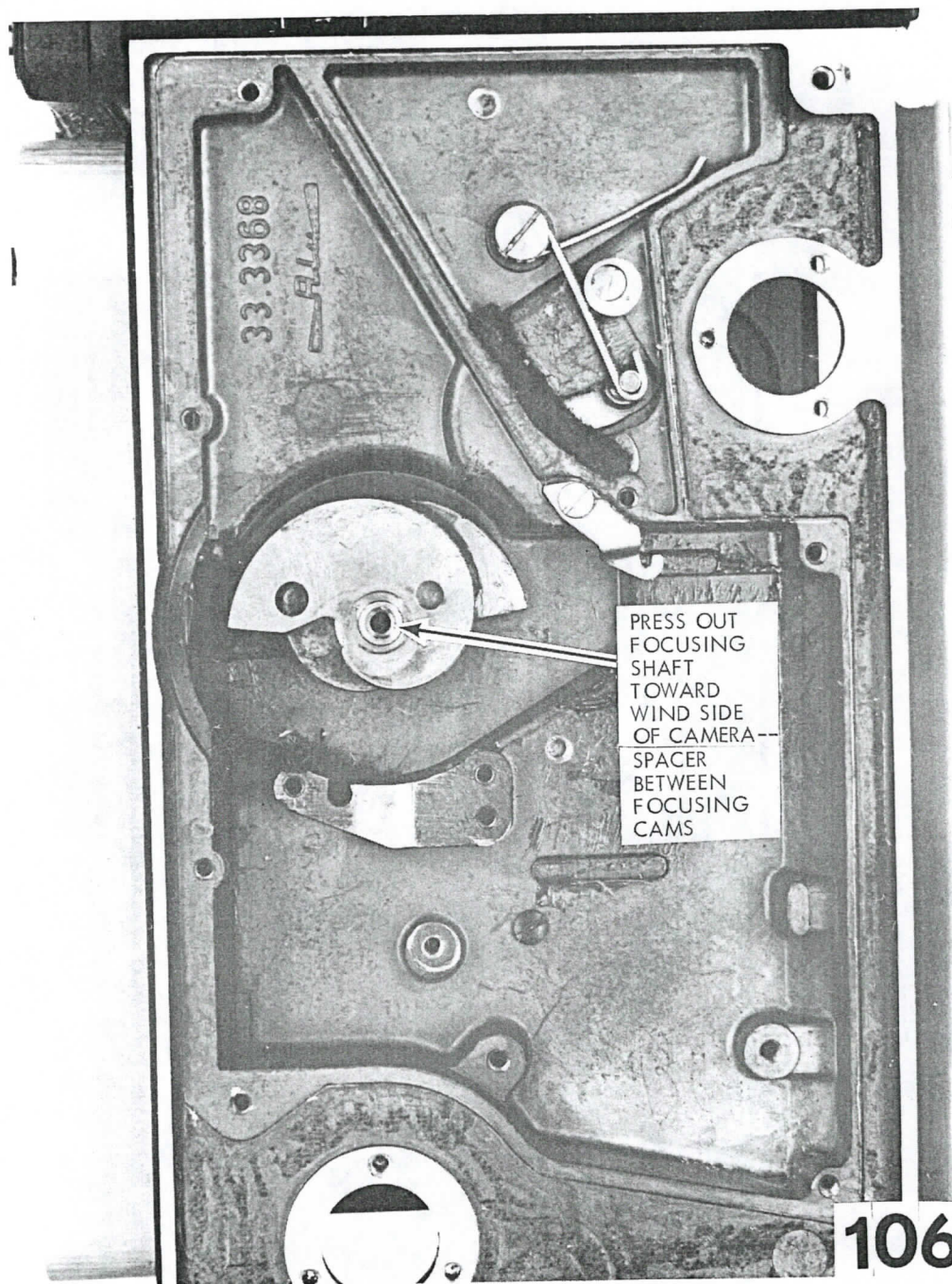
104

1. NOTE ADJUSTED POSITON OF ADJUSTABLE FOCUSING CAM FOLLOWER--REMOVE TWO SCREWS AND LIFT OUT ADJUSTABLE FOCUSING CAM FOLLOWER

NOTE
DIFFERENCE
BETWEEN
THESE TWO
SCREWS

2. REMOVE RAIL GUIDE SCREW (MAY BE WASHER UNDERNEATH)

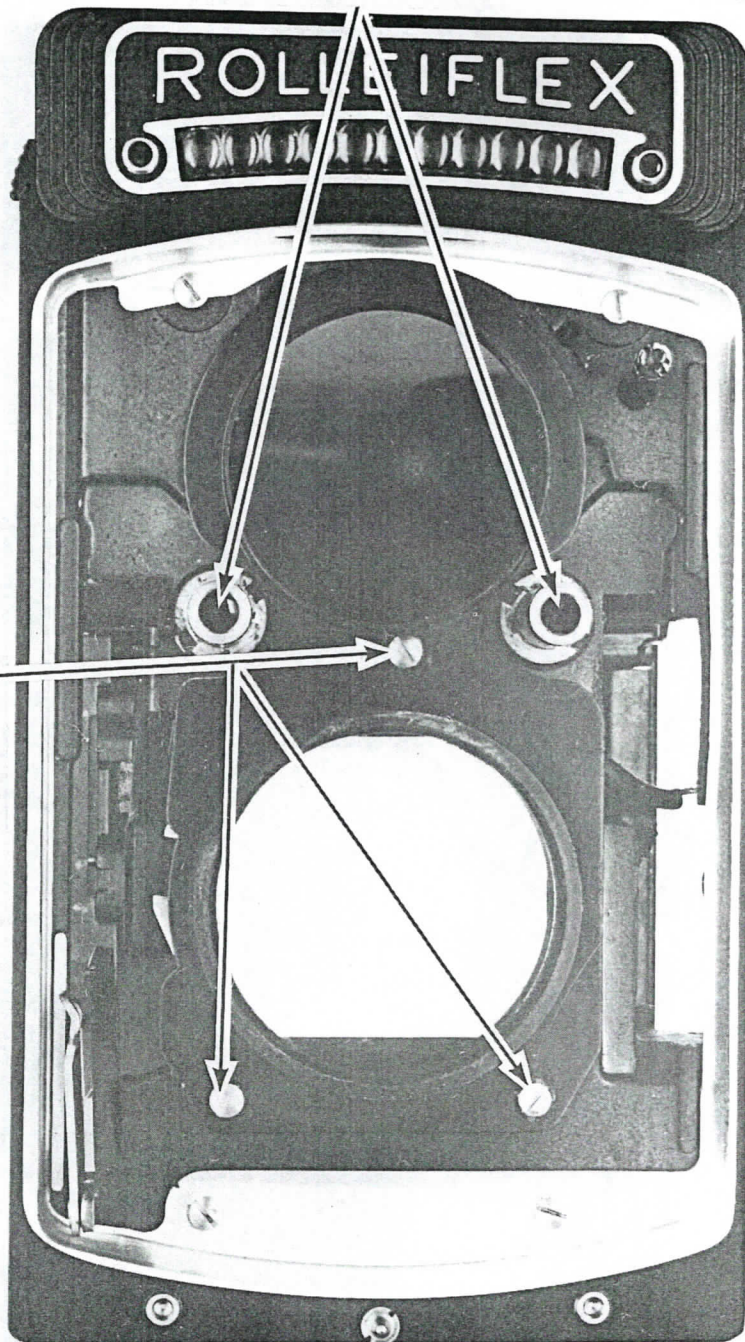
3. SLIDE OUT FOCUS SIDE FOCUSING RAIL TOWARD FRONT OF CAMERA



PRESS OUT
FOCUSING
SHAFT
TOWARD
WIND SIDE
OF CAMERA--
SPACER
BETWEEN
FOCUSING
CAMS

LENS STANDARD GUIDES

REMOVE
THREE
SCREWS AND
LIFT OFF
LENS
GUIDE
PLATE

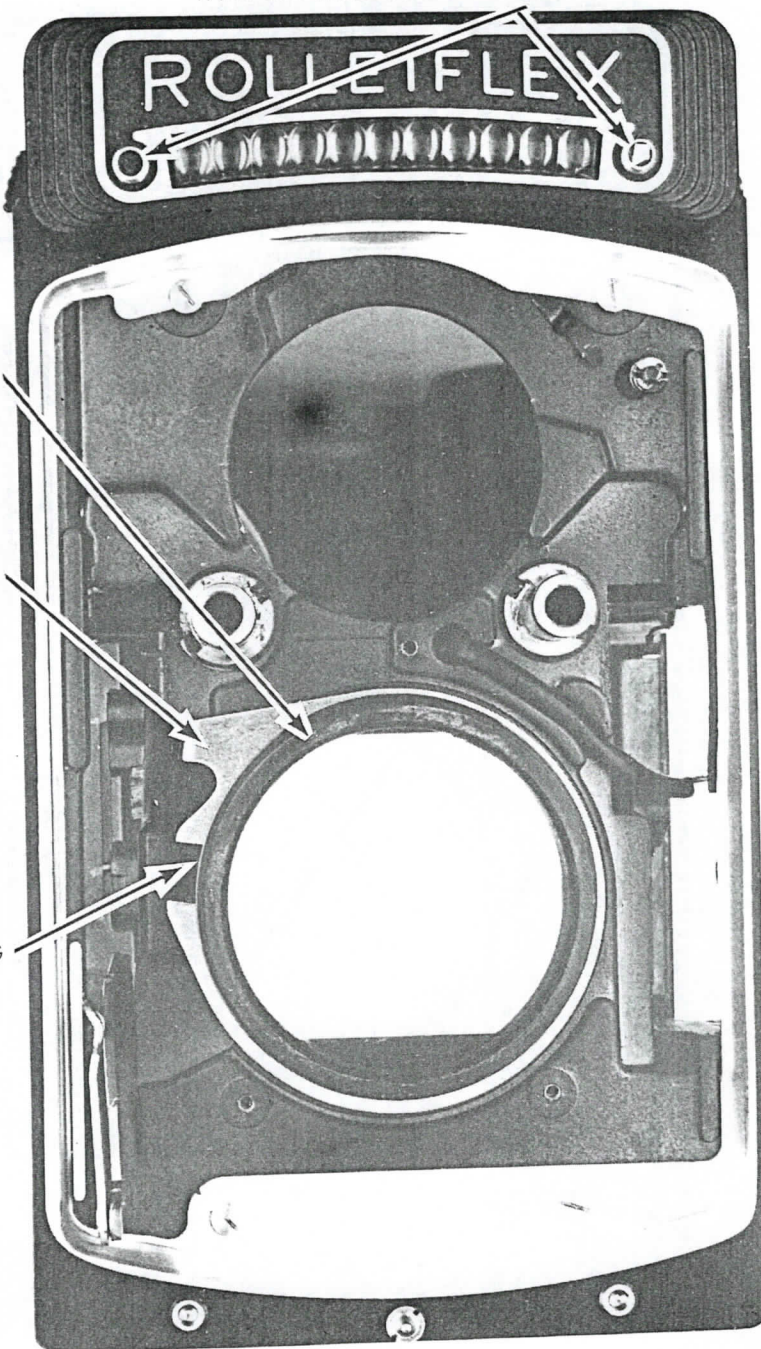


TO REMOVE PHOTOCELL ASSEMBLY,
TAKE OUT THESE TWO SCREWS

1. LIFT
OFF LIGHT
TRAP RING

2. LIFT
OUT
METERING
RELEASE
RING

TAB ON
SHUTTER
RELEASE
RING PASSES
THROUGH
THIS SLOT
IN METERING
RELEASE
RING

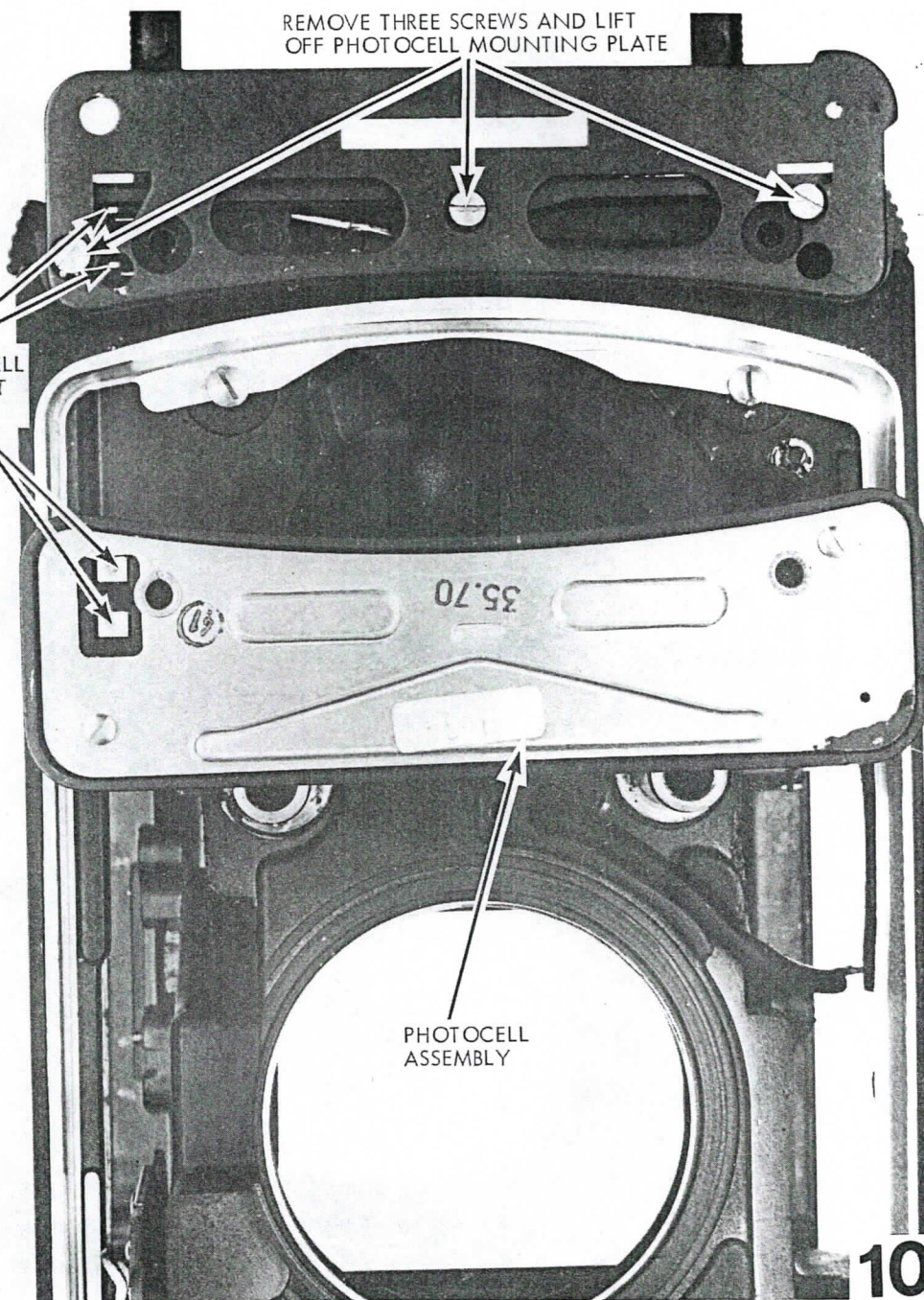


REMOVE THREE SCREWS AND LIFT
OFF PHOTOCELL MOUNTING PLATE

PHOTOCELL
CONTACT
POINTS

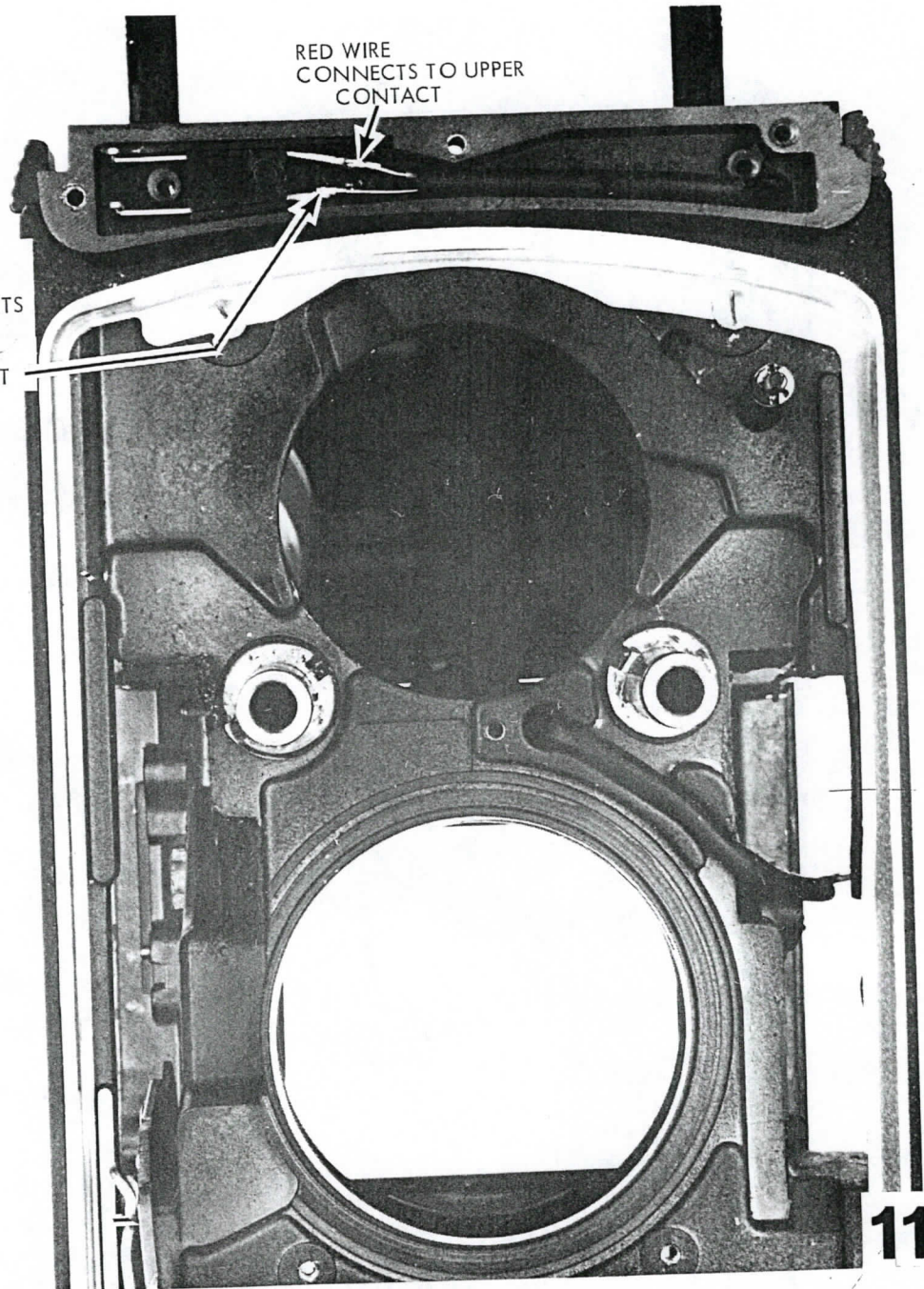
PHOTOCELL
ASSEMBLY

109



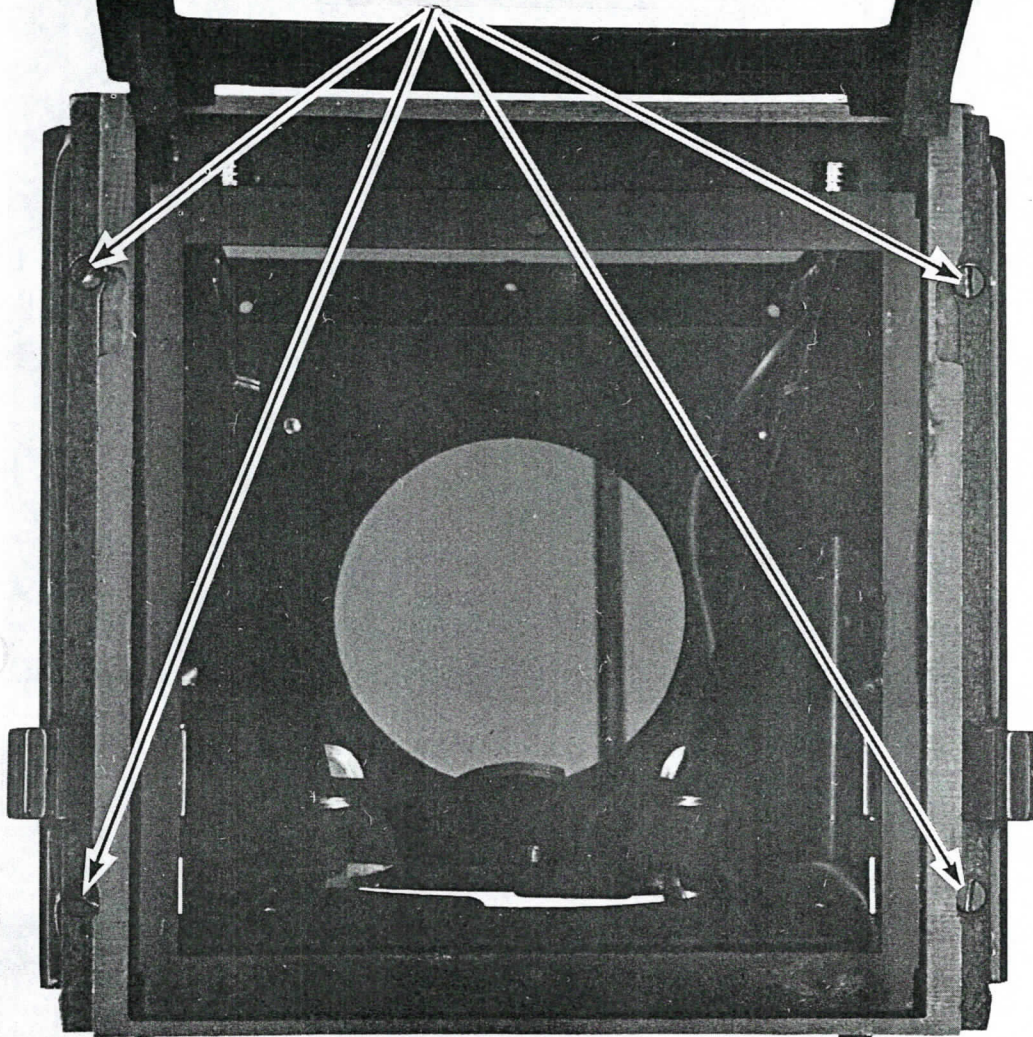
GROUND
WIRE
CONNECTS
TO
LOWER
CONTACT

RED WIRE
CONNECTS TO UPPER
CONTACT



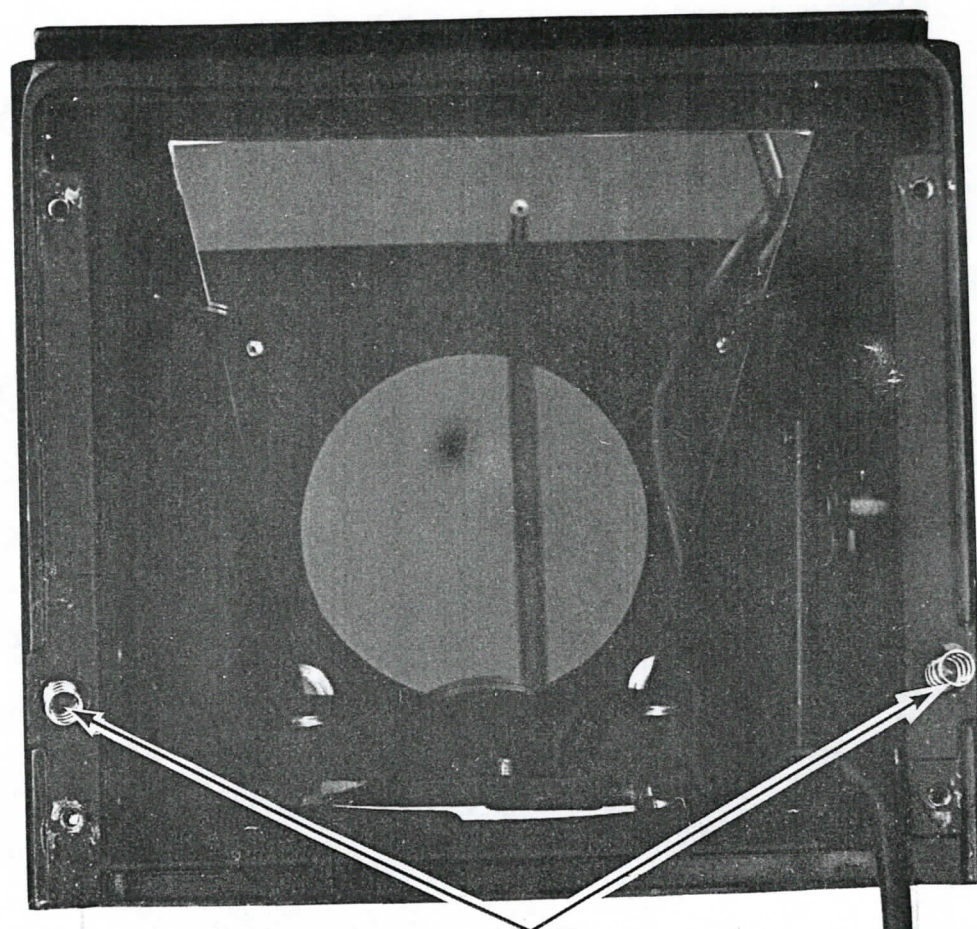
UNSOLDER TWO EXPOSURE
METER WIRES

REMOVE FOUR SCREWS
AND LIFT OFF
FOCUSING SCREEN
ASSEMBLY - PULL EXPOSURE
METER WIRES THROUGH
HOLE IN ASSEMBLY
FRAME



CAREFUL: COMPRESSION SPRINGS FOR HOOD LATCHES
MAY BE LOOSE (SEE FIGURE 112)

111



COMPRESSION SPRINGS FOR HOOD LATCHES